

STUDENT ACADEMIC DNA - SAMPLE REPORT

Student Name: Confidential

Student ID: XYZ

COUNSELOR REPORT — STUDENT MAJOR FITMENT ANALYSIS

Student: *Confidential*

Prepared By: Expert Academic & Career Counselor

Organization: GrowMe

1. STUDENT PROFILE SUMMARY

Confidential is a highly driven and academically ambitious student from Folsom High School, California. With a weighted GPA of **3.7** and an unweighted GPA of **3.5**, she demonstrates strong academic ability, especially considering her heavy course load consisting of **AP courses (3)**, **Honors coursework**, and an exceptional number of **10 college-level courses** ranging from AI and Data Science to Programming and Calculus. Her academic choices reflect clear intellectual curiosity, self-discipline, and a strong inclination toward STEM—particularly **Computer Science, AI, and Data Analytics**.

Confidential's profile demonstrates tremendous involvement in technology-focused activities. She has participated in multiple hackathons (NASA Space Apps, Girls Who Code, Tech Summit), programming camps, data science programs, and app development research. These experiences show not only technical proficiency but also creativity, teamwork, problem-solving, and leadership.

She balances academics with **Taekwondo**, **soccer**, and **basketball**, indicating discipline, resilience, and strong mental stamina. Her **Black Belt** achievement and tournament participation reflect perseverance and the ability to handle pressure.

Confidential's community and leadership record is remarkable. She serves in multiple leadership roles such as **Vice President of Breathe California Youth Group**, **Founder & President of an Elementary School Coding Club**, and **Youth Advisor at the Public Library**. Her community contributions show compassion, initiative, and a strong ability to mentor younger students.

Her student persona reveals that she is a hardworking, challenge-oriented individual who pushes herself to grow outside her comfort zone. She is reflective and mature, acknowledging past academic stress and the importance of balance and well-being. She thrives in active, engaging environments and looks forward to joining tech, data, and mental-health-based clubs in college.

Overall, *Confidential* is a multi-dimensional student with exceptional academic rigor, STEM competency, leadership depth, and a strong orientation toward **technology, analytics, and AI-driven problem-solving**.

2. STRENGTHS & WEAKNESSES AGAINST EACH MAJOR

A. ENGINEERING

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Strengths

- **Strong STEM Foundation:** Completed Calculus I, Honors Physics, Honors Chemistry, and computer science college-level courses—core pillars for engineering readiness.
- **Hands-on Technical Experience:** Developed a Raspberry Pi earthquake detection system during an internship—directly relevant to engineering problem-solving.
- **Coding Competency:** Took multiple programming courses (AI, Data Science, Algorithm Design, Structured Programming), ideal for Computer and Software Engineering.
- **Hackathon Exposure:** NASA Space Apps, Girls Who Code, Tech Summit—demonstrates innovation, teamwork, and technical creativity.

Weaknesses

- **Past Overload-Related Stress:** Engineering is demanding; her history of burnout due to taking on too much may require improved balance.
- **Limited Pure Engineering Projects:** Many projects are software-oriented; exposure to hardware engineering (beyond Raspberry Pi) is limited.
- **Needs Stronger Math Consistency:** Good GPA, but no AP Calculus BC or Physics C, which top engineering programs prefer.

B. MEDICINE

Strengths

- **Community Service & Empathy:** Volunteering at senior centers and youth groups shows empathy—important in healthcare.
- **Public Health Advocacy:** Leadership role at Breathe California aligns with preventive health and community medicine values.
- **Research Exposure:** Worked on mental-health-related data science project—shows interest in human wellness.

Weaknesses

- **Limited Biology/Chemistry Depth:** Honors Chemistry completed, but no AP Biology, AP Chemistry, or advanced life science coursework.
- **Career Interest Mismatch:** Strong preference for AI, tech, and data; no stated desire for clinical or medical fields.
- **Medical Competitiveness Gap:** No shadowing, clinical volunteering, or medical research required for pre-med pathways.

C. BUSINESS

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Strengths

- **Data Analytics Background:** Experience from Business Analytics Conference and multiple data science courses supports quantitative business roles.
- **Leadership Experience:** VP roles, youth advisory positions, and club founder—all highly valued in business admissions.
- **Entrepreneurial Projects:** Developed recipe organizer app and stress prediction app, demonstrating initiative and product-thinking.

Weaknesses

- **Math for Business Not Deepened:** Business programs—especially Finance—prefer AP Statistics or advanced math.
- **No Formal Business Coursework:** Aside from BUSTEC classes, lacks high-level finance, economics, or business strategy exposure.
- **Primary Passion Is Tech:** Business is secondary interest; motivation may appear less organic.

D. LIBERAL ARTS

Strengths

- **Writing Skills:** AP English Language/Comp indicates strong communication—core to Liberal Arts.
- **Community Engagement:** Leadership in public libraries, cultural organizations, and youth groups indicates social awareness.
- **Research & Social Projects:** Multiple mental-health and community-based research initiatives align with sociology, psychology, or communications.

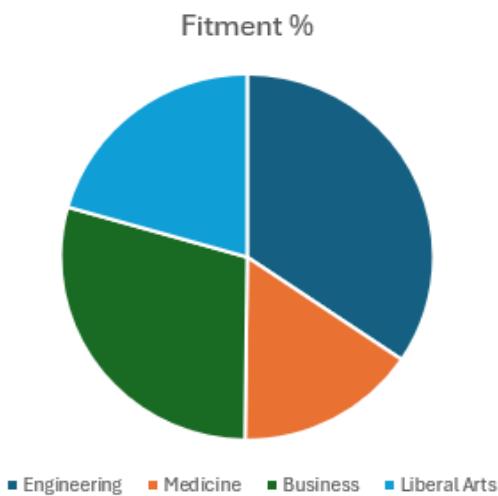
Weaknesses

- **Major Interest Misalignment:** Student strongly prefers tech; liberal arts does not match stated career goals.
- **Less Depth in Humanities:** Only AP Euro and AP English; not enough humanities coursework for strong liberal arts fit.
- **Career Direction:** Wants to pursue AI/Data roles immediately after undergrad—not typical for liberal arts pathways.

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3. PERCENTAGE FITMENT FOR EACH MAJOR

Major	Fitment %
Engineering	92%
Medicine	42%
Business	78%
Liberal Arts	55%



4. RECOMMENDED MAJOR + TOP 3 SUB-MAJORS/BRANCHES

Recommended Major: ENGINEERING (Computer Science / Data Engineering Track)

Top 3 Sub-Majors/Branches

1. Computer Science (CS)
2. Data Science / Data Engineering
3. Artificial Intelligence & Machine Learning Engineering

Why Engineering Is the Best Fit

Confidential's profile overwhelmingly reflects deep technical interest and proven capability:

- She has completed **10 college-level computing courses**, showing advanced preparation.

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- Multiple **coding projects, AI/data coursework**, and **hackathons** show practical application and creativity.
- Her **internship project** (earthquake detection system) demonstrates real-world engineering problem-solving.
- Leadership roles in **coding clubs, Girls Who Code**, and **youth STEM advocacy** align perfectly with engineering pathways.
- Her career intentions—**AI/ML Engineer, Data Scientist, Business Intelligence Analyst**—are engineering-driven roles.

Engineering maximizes her strengths, aligns with her passions, and suits her analytical mindset.

5. WHAT THE STUDENT SHOULD DO TO ACHIEVE EACH MAJOR

What the student should do to achieve the Engineering major

- Take **AP Calculus BC** or **AP Statistics** (if available) to strengthen mathematical depth.
- Complete **AP Physics C** or additional STEM coursework to enhance engineering competitiveness.
- Continue participating in **hackathons**, especially those focusing on AI, cybersecurity, or hardware integration.
- Build more **hardware-based projects** (Arduino, IoT devices, sensors) to diversify from purely software work.
- Strengthen portfolio with **GitHub projects** focusing on algorithms, ML models, or app development.
- Seek research opportunities in CS, AI, or data science to build an academic profile.
- Prepare strong essays reflecting her passion for engineering—GrowMe can support her through this.

What the student should do to achieve the Business major

- Take **AP Microeconomics, AP Macroeconomics, or AP Statistics**.
- Gain exposure to **finance basics** through online courses (e.g., corporate finance, financial modeling).
- Build proficiency in **Excel, Tableau, Power BI**, and business analytics tools.
- Participate in **DECA, FBLA**, or local entrepreneurship clubs.
- Complete a **business case competition**, ideally in analytics or product strategy.
- Highlight her leadership roles as part of her business application narrative.

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- Connect her tech background with business (e.g., tech-driven finance projects).

What the student should do to achieve the Liberal Arts major

- Strengthen writing skills through participation in **school publications**, essays, or creative writing projects.
- Take additional humanities courses such as **AP Psychology, AP Government, AP World History**.
- Engage in community storytelling, journalism, or public speaking events.
- Document her community involvement to demonstrate depth in social engagement.
- Explore interdisciplinary minors such as **Digital Humanities** to blend tech and liberal arts.
- Build essays focusing on reflection, empathy, and communication strengths.
- Participate in seminars or workshops in social sciences or arts.

What the student should do to achieve the Medical major

- Take **AP Biology, AP Chemistry**, or dual-enrollment equivalents.
- Volunteer at a **hospital, clinic, or healthcare non-profit** to gain clinical exposure.
- Seek **shadowing opportunities** with physicians.
- Complete coursework in **anatomy, physiology, or public health**.
- Participate in **medical research, health data analysis**, or public health events.
- Strengthen time management and balance to handle rigorous pre-med demands.
- Understand the commitment of the medical path and evaluate long-term fit.

6. CONCLUSION

Confidential is an exceptional student with a rare combination of technical brilliance, leadership depth, creativity, and compassion. She has demonstrated resilience, intellectual maturity, and a strong desire to grow beyond her comfort zone. Her profile strongly supports a future in **Engineering, particularly Computer Science, Data Science, and AI**, where she has already built an impressive foundation through coursework, hackathons, and real-world projects.

With continued focus, balanced academic planning, and guided preparation, Srilekha is well-positioned to excel in competitive engineering programs and build a meaningful career in AI and data-driven innovation. She should continue leveraging the support of **GrowMe** to maximize her chances of achieving her preferred major and gaining admission into top-tier institutions.

Confidential's future is bright, and with her drive and passion, she is fully capable of shaping a powerful academic and career journey ahead.