Aayan Latif

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PROFESSIONAL SUMMARY

- Motivated Software Engineering undergraduate with hands-on experience in **full-stack development** and **machine learning**
- Proficient in **Python** and **Java**
- Strong focus on **data-driven application development** using **FastAPI** and **RESTful architectures**
- Experience designing and implementing **APIs** and backend services
- Track record of delivering **interactive, user-focused solutions**
- **Eager to leverage strong academic foundations and project experience in a challenging internship or junior engineering role**

PROJECT EXPERIENCE

Pulse AI Coach   Toronto, ON (Remote)
Software Engineer   *December 2025 – January 2026*
- Engineered a full-stack FastAPI application with SQLite database to track and analyze daily habits, implementing RESTful endpoints for CRUD operations and real-time data processing
- Developed a Random Forest Regressor model that predicts mood trends by analyzing sleep and water intake patterns, providing personalized AI-generated feedback
- Built an interactive dashboard with dynamic data visualizations using Matplotlib and JavaScript, enabling users to visualize habit trends and receive actionable insights

LockIn   Ottawa, ON (Remote)
Software Engineer   *September – November 2025*
- Co-developed a study group matching web application within a 6-person agile team, focusing on responsive frontend design using HTML, CSS, and JavaScript.
- Led the product pitch and business planning phase, designing high-fidelity mockups and presenting the final prototype to a panel of peers and instructors.

Lazy Line   Toronto, ON (Remote)
Software Developer   *November – December 2024*
- Developed an interactive fishing game using Object-Oriented Programming (OOP) principles and event-driven design patterns to manage game states.
- Designed complex game logic for casting, catching, and scoring mechanics, ensuring a seamless user experience.

EDUCATION

University of Ottawa   Ottawa, ON
Bachelor of Applied Science   *2025 – 2029*
- Major in Software Engineering
- Received scholarship
- **Relevant Coursework**: Object-Oriented Programming, Data Structures & Algorithms, Web Development.

SKILLS

Languages: Python, Java, C#, JavaScript, HTML, CSS
Backend & APIs: FastAPI, RESTful APIs, Postman
Data & ML: SQLite, scikit-learn (Random Forest), Pandas, NumPy, Matplotlib
Tools: Git/GitHub, VS Code