ZAID ALASALI

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PROFESSIONAL SUMMARY

Results-oriented developer with 2+ years of hands-on internship experience delivering full-stack web features, scalable cloud deployments and AI-powered solutions. Skilled in Python, JavaScript/TypeScript, Java and C++ backed by solid CS fundamentals and an ability to troubleshoot, test and ship quality code in Agile teams.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C++, HTML/CSS.
- **Frameworks/Libraries:** React, Node.js, Unity Engine, scikit-learn, Git.
- **Databases & Cloud:** MySQL, PostgreSQL, Snowflake (familiar), AWS (EC2, S3), Azure (fundamentals).
- **Methodologies:** Agile, Scrum, DevOps, SDLC, CI/CD Pipelines (Jenkins, GitLab CI, Docker).
- **Additional Tools:** Terraform, Grafana, Prometheus, Ansible.

EXPERIENCE

Software Engineer Intern – ETS IB SCHOOL | Feb 2024 – May 2025 (15 mos)

- Developed and maintained backend services in **Python** and **Node.js**, focusing on RESTful APIs and efficient database interactions.
- Streamlined deployment workflows via **CI/CD** integration, reducing manual overhead by 30%.
- Assisted with infrastructure provisioning in **AWS**, setting up test environments and automating resource management using Terraform.
- Participated in Agile sprints, collaborating closely with senior engineers to implement features and fix critical bugs.

AI Solutions & Software Engineering Intern – INJAZ | Mar 2023 – Jan 2024 (11 mos)

- **Advanced Algorithm Development (Python/C++):** Implemented and optimized 3D path-finding algorithms (A*, Theta*) to navigate complex spaces for PipeIt, enhancing navigation efficiency.
- **Full-Stack Web Development:** Overhauled front-end and back-end for PipeIt's main website using **React** and **Node.js**, improving user experience and system reliability.
- **AI Tools Integration & Workshops:** Guided multiple startups on adopting AI tools (e.g., ChatGPT o1, Claude, Deepseek) to streamline daily workflows, and conducted knowledge-sharing sessions on machine learning best practices.
- **Strategic Analysis & Consultation:** Performed competitor feature analysis for Nowa.dev, recommending product improvements to maintain market competitiveness.
- **Data Analysis & Reporting:** Created Excel-based dashboards and likelihood models to identify high-potential leads for mySTARTUP, informing targeted marketing approaches.

PROJECTS

Personal Project | Python, Pygame, JSON

- Designed a multi-mode snake game supporting both AI vs. AI and Player vs. AI/Player matchups.
- Implemented path-finding logic, various difficulty modes, and a theming system with real-time gradient animations.
- Managed state persistence using JSON for high scores, demonstrating proficiency in Python's file I/O and JSON libraries.
- Integrated an interpolation mechanism for smooth movement, custom particle effects, and basic AI collision avoidance.
- Employed clean coding practices and modular design for maintainability and scalability.

EDUCATION

B.S. in Computer Science, Expected Graduation: 2025   **University of Debrecen (Hungary)**

Relevant Coursework: Data Structures & Algorithms, Database Systems, AI & Machine Learning, Software Engineering

CERTIFICATIONS, LANGUAGES, & AWARDS

- Stipendium Hungaricum Scholarship (2021) – Awarded for academic excellence.
- Debate Champion & MUN Best Delegate – Demonstrated communication and leadership skills.
- High School Chess Champion – Showcasing strategic thinking and focus.
- Languages - English**:** C2 (Fluent, professional and academic).