Laiba Asif

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Professional Summary

Versatile Software Engineering student with strong experience across full-stack development, systems programming, DevOps automation, and cloud-native workflows. Demonstrates exceptional analytical, organizational, and communication skills through technical problem-solving, leadership roles, and collaborative project work. Adaptable, detail-oriented, and driven to contribute to innovative engineering teams by quickly mastering new tools, frameworks, and complex technical environments.

Skills

Soft Skills: Analytical thinking, attention to detail, organization, adaptability, fast learning, strong communication, cross-functional collaboration, and reliability.

Technical Skills

- **Programming Languages:** Python, Java, C++, JavaScript, TypeScript, HTML, CSS, SQL, Bash.

- **Frameworks & Libraries:** React, Next.js, Node.js, Django, FastAPI, Tailwind CSS, Bootstrap, Three.js, NumPy, Matplotlib, JUnit, Maven, Google Gemini.

- **Tools, Databases & Cloud:** Git, GitHub, Jenkins, Kubernetes, Google Cloud Platform, MySQL, MongoDB, PostgreSQL, Ubuntu, Vite, Microsoft Office Suite (Excel, Word, PowerPoint).

Languages: English, Urdu, and Hindi.

Work

START YOUTH PRESENTING ART - Stage Coordinator

3600 Kingston Rd, Scarborough, ON M1M 1R9   August 2018

❖ Organized rehearsals and coordinated with stagehands, technicians, and performers. Managed performance cues, props, and costumes for youth art festivals. Maintained administrative and financial records to support event operations.

ENGINEERING OUTREACH - Program Instructor

2000 Simcoe St N, Oshawa, ON L1G 0C5   August 2022

❖ Facilitated STEM-based indoor and outdoor programs for diverse youth groups. Promoted engagement, safety, and group cooperation through effective communication. Monitored participant behaviour, resolved conflicts, and ensured compliance with safety protocols.

Education

ONTARIO TECH UNIVERSITY   September 2022 - Present

Bachelor of Software Engineering and Management

Technical Projects

- **Eunoia –** *AI Mental Health Journal*   Dec 2025 – Feb 2026

Developed an AI-powered journaling platform using Next.js, React, Tailwind CSS, and Google Gemini AI to analyze emotions, track mood trends, and generate personalized reflections with voice-enabled journaling support. You can visit it **Live** now.

- **ResumeTruth AI** – *AI Resume Optimization Platform*   Feb 2026

It is an AI-powered resume analysis tool built with Next.js, TypeScript, Tailwind CSS, and shadcn/ui, integrating the Groq API to evaluate resumes against job descriptions, generate hiring probability scores, detect missing skills, and produce AI-enhanced rewrites. It also supports annotated review mode, cover letter generation, and PDF processing using pdf-lib for seamless document handling. Visit **Live**.

- **Personal Portfolio –** *Lava Themed*   Jan 2026 – Feb 2026

Built a visually immersive portfolio using Next.js, TypeScript, Three.js, Tailwind CSS, and Framer Motion, featuring real-time 3D particle effects, video backgrounds, and scroll-based animations.

- **SpeciSnap –** *AI Species Identification App*   Feb 2026

Developed a Progressive Web App using React, Tailwind CSS, Python, FastAPI, and Google Gemini Vision AI to identify plants and animals from images, enriched with confidence scores and Wikipedia data. You can visit **Live**.

- **Nebula Plan –** *Event Planning & Finance Platform*   Sep 2024 – Dec 2024

Built a full-stack event planning system using React, Node.js, and MySQL to manage venues, budgets, and real-time event data updates.

- **CI/CD Pipeline for Binary Calculator**

Designed and deployed an automated CI/CD pipeline on Google Cloud Platform using Jenkins, GitHub, Maven, Helm, and Kubernetes to build, test, and deploy a web-based calculator application.

- **Machine Learning Evaluation System**

Developed a model evaluation framework using Java, Python, NumPy, Matplotlib, Maven, and JUnit to compute regression and classification metrics, including MSE, AUC, F1-score, and confusion matrices.