HARMANPREET SINGH

+91-8699512991 | Sardarpreet001@gmail.com | linkedin.com/in/harmansingh001/ | LeetCode | GitHub

EDUCATION

CHANDIGARH UNIVERSITY, GHARUAN, PUNJAB **Expected May 2025**
Bachelor of Engineering in Computer Science. *(CGPA - 7.0 to date)*

WORK EXPERIENCE

STREAM INFOTECH **Jun 2024 - Jul 2024**
Full Stack Developer Intern | Internship Certificate, Letter of Recommendation *(Remote)*

- Optimized multiple web applications using **Svelte**, achieving a 30% reduction in load time and a 25% increase in user engagement.
- Developed a secure **JWT decoder tool** for the **Dev Star** project, enhancing security protocols and mitigating potential data vulnerabilities by 40%.
- Collaborated in **agile practices** and participated in **code reviews**, contributing to the successful delivery of **7+ projects** ahead of schedule by 15%.
- Designed and implemented **10+ responsive UI components** with Tailwind CSS, boosting user satisfaction and accessibility by 20% across various devices and screen sizes.

PROJECTS

REFLECT: JOURNAL APP | *React, Next.js, Tailwind CSS, ShadCN UI, PostgreSQL, ArcJet.* **Code | Link**

- Built a full-stack journaling app, improving user engagement by 95% through features like **rich text editing**, **search**, and **mood tracking.**
- Integrated an analytics dashboard and **secured API rate limiting** with **ArcJet**, enhancing app security by 50%.
- Implemented a **responsive UI**, increasing user satisfaction by 85%.
- Improved app scalability by 80% using **PostgreSQL** and reduced server response time by 40% through caching techniques.

WEALTH: AI FINANCE PLATFORM | *React, Next.js, Tailwind CSS, Prisma, ShadCN UI, ArcJet.* **Code | Link**

- Developed an **AI-powered platform** that improved financial decision-making efficiency by 85% for users.
- Integrated **Gemini AI**, automating **100+ receipt scans** per month and providing real-time updates.
- Reduced manual data entry time by 60% and improved **API security** features.
- Delivered a **responsive UI**, increasing accessibility for 90% of users.

AI OBJECT DETECTOR APP | *React, Next.js, Tailwind CSS, TensorFlow, JavaScript.* **Code | Link**

- Created an object detection app with **real-time recognition**, identifying **30+ objects** per second with 25% increased accuracy.
- Integrated webcam support and customizable **alarm notifications**, enhancing app versatility.
- Reduced false detection rates by 15% through **TensorFlow's COCO-SSD model** optimizations.

TECHNICAL SKILLS

- **Languages:** C++ (Data Structures & Algorithms) | JavaScript | SQL | Python | Object-Oriented Programming (OOP).
- **Web Development:** HTML | CSS | JavaScript | React.js | Node.js | Express.js | Mongoose | Tailwind CSS.
- **Databases:** MongoDB | PostgreSQL.
- **Version Control & Deployment:** Git | GitHub | Vercel.

CERTIFICATIONS

- **Coursera:** IBM Full Stack Software Developer | Meta Front-End Developer | IBM Introduction to Machine Learning.
- **FreeCodeCamp:** Responsive Web Design.
- **Infosys Springboard:** Front-End Development Program (CSS, JavaScript, React JS, TypeScript, Angular).

ADDITIONAL INFORMATION

- **Academic Achievements:** Solved 300+ problems on LeetCode | Gold Certificate in IoT (NPTEL) | Runner-up in Hackathon 2022 (BITS Pilani) | Published a research paper on Handwritten Digit Recognition in IJIRT.
- **Skills:** Strong Communication | Collaboration | Problem Solving | Analytical Thinking | Agile Methodology | Teamwork | Time Management | Task Prioritization | Conflict Resolution | Adaptability.
- **Languages:** English | Punjabi | Hindi.