DEVANSH WADHWANI

Software Engineer Intern — Full Stack Developer — Machine Learning Engineer

New Delhi, India | +91 8383922952 | devanshworkmail5@gmail.com | in LinkedIn

Education

Thapar Institute of Engineering & Technology, Punjab — **Expected 2027**
B.E. in Computer Engineering — *CGPA: 8.73*

Relevant Coursework: Data Structures & Algorithms; Operating Systems; Computer Networks; Software Engineering; DBMS; OOP

BGS International Public School, New Delhi — **2021–2023**
Class XII (PCM): 93.4% — Class X: 94.67% — *CBSE Board*

Projects

SafeSpace – Multimodal Stress Detection (XAI) ↗ — **Jun 2025**
TensorFlow — FastAPI — SHAP/LIME — ESP32 Hardware
- Attained 88% balanced accuracy by designing multimodal AI models across 4 datasets (voice + biosignals + self-reports)
- Built an ESP32-based wearable streaming 4 biosignals at 100Hz for real-time stress monitoring.
- Deployed end-to-end backend inference pipeline with sub-300 ms latency, late fusion, and SHAP/LIME explainability

SquadUp - Event Collaboration Platform (MERN) ↗ — **Apr 2025**
RESTful APIs — Socket.IO (WebSockets)
- Scaled a production-grade real-time collaboration app to support 300+ concurrent users with live events and RSVPs
- Optimized sub-120 ms latency at 2K+ real-time events/min via Socket.IO, JWT, and Role-Based Access Control.

Samptak - Track Fault Detection (Image Processing) ↗ — **Sept 2024**
TensorFlow (Keras) — FastAPI
- Fine-tuned InceptionResNetV2 with augmentation to detect cracks as small as 10–15 mm.
- Achieved 95.45% test accuracy via transfer learning and multi-modal image signals.

Other Projects: Exam Sheets Evaluator ↗, Guest House Booking System ↗, Blood Bank Management System ↗, Portfolio ↗

Skills

- **Languages & Concepts**: C, C++, HTML/CSS, Javascript, Node.js, Python, SQL, PL/SQL (Oracle)
- **Libraries**: Scikit-Learn, TF Keras, React.js, MediaPipe, NLTK
- **Developer Tools**: Git, GitHub, Docker, Figma, Oracle Cloud, LaTeX, Colab, Postman, MySQL Workbench
- **Soft Skills**: Leadership, Pattern-Recognition, Result-Oriented, Collaborative, Design Thinking

Experience

Summer Project Research Intern - SafeSpace ↗ — **Jun 2025 – Aug 2025**
Experiential Learning Centre, TIET

Certifications

- **Amazon ML Summer School 2025** — Selected in Top 3000 for advanced ML training (DNNs, LLMs, RL).
- **4× Oracle Associate Certified (2025)** — Cloud & AI Foundations ● Data Platform ● MySQL HeatWave
- **Oracle Cloud Infrastructure Certified Data Science Professional (2025)**
- **Thapar Summer School on AI & DL 2024** — Secured a Top 10 ranking in 4+ challenges hosted on Kaggle.
- **Web Development Bootcamp by Angela Yu** — Completed 250+ lessons in full-stack development.

Achievements

- **Smart India Hackathon 2025** — Winner, Top 0.01% nationwide from 8L+ registrations, 60K+ teams
- **Israel–Indian Hackathon 2025** — Placed 3rd among 250+ teams in a bi-national 24-hr healthcare innovation.
- **Merit Scholarship, TIET** — Awarded for securing 95+ %ile in JEE; granted to top 5% of incoming students.

Positions Of Responsibility

Entrepreneurship Development Cell, TIET — Core Member & Overall Event Coordinator: Spearheaded **BizQuest'24** (1,000+ registrations, Rs.100K prize pool) and contributed to design for **E-Summit'24** (2,000+ attendees).

Niine Private Ltd. — Campus Ambassador: Promoted menstrual hygiene equity by distributing 5,000+ pads to 300+ girls.