Mohammed Meezan Z

Software Developer | Full-Stack Web Development

meezan.codes@gmail.com | linkedin.com/in/mohammed-meezan-z-005798270 | github.com/Meezan18 | India

PROFESSIONAL SUMMARY

Software developer completing an integrated M.Tech in Computer Science, with industry experience delivering client websites. Builds responsive web applications with React, TypeScript, Node.js and Tailwind CSS, and back-end services in Python. Research presented at IEEE CEEE 2026.

PROFESSIONAL EXPERIENCE

Software Engineer Intern — **May 2026 – Present**
Global Tech Professionals — Dartford, United Kingdom

- Built and delivered client websites with integrated email services, using React, Node.js and Tailwind CSS.
- Maintain the company's websites on GitHub, and upgraded its sites and services.

Web Developer Intern — **Sep 2024 – Oct 2024**
SplendensLab — Salem, India

- Rebuilt landing pages of well-known sites in HTML, CSS, JavaScript and Bootstrap to learn responsive design.

KEY PROJECTS

Parallax – AI Race-Strategy Engine for Formula 1 — **2026**

Tech: Python, FastAPI, NumPy, pandas, Next.js, TypeScript, WebSockets, PostgreSQL, Docker

- Replays real Grand Prix data and races an AI shadow car that makes every strategy call live, with no hindsight.
- Refits the tyre model each lap (±0.006 s/lap) and re-optimises pit strategy live on a 60 fps track map.

MissionGuard – Explainable Satellite Collision Avoidance — **2026**

Tech: Python, NumPy, Flask, SHAP, pytest

- Ranks avoidance burns on six objectives and explains each choice with SHAP, with a human approving every burn.
- Achieved 0.981 mission preservation vs 0.893 for the best baseline across 48 scenarios, with zero new conjunctions.

Delivah – Grocery Delivery Platform — **2026**

Tech: React 19, Vite, React Router, Zustand, Recharts, GitHub Actions

- Built four role-based apps (customer, vendor, rider, admin) across 23 screens, deployed with GitHub Actions.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, HTML5, CSS3, SQL
Front-end	React, Next.js, Tailwind CSS, Bootstrap, Vite
Back-end and data	Node.js, FastAPI, Flask, REST APIs, WebSockets, PostgreSQL, NumPy, pandas
Tools	Git, GitHub Actions, Docker, pytest, Figma

EDUCATION

M.Tech (Integrated, 5 years), Computer Science and Engineering — **Nov 2022 – May 2027**
Erode Sengunthar Engineering College — Erode, India

PUBLICATION

MissionGuard: Explainable, Mission-Aware Decision Support for Satellite Collision Avoidance, IEEE CEEE 2026

CERTIFICATIONS AND LANGUAGES

Certifications	UX Design Thinking with AI; Build Dynamic User Interfaces for Websites; Frontend Web Developer; Quantum Technologies and Applications
Languages	English (Professional), Tamil (Professional), Hindi (Professional), Urdu (Native)