ROHAN MANE

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SUMMARY

Aspiring AI/ML engineer and full-stack developer with experience in building real-world systems. Interned at DIAT-DRDO on secure boot-level programming. Skilled in Python, React, FastAPI, and TensorFlow. Passionate about scalable software and open-source contribution.

SKILLS

Languages:	Python, JavaScript, Bash
Frontend:	React.js, HTML5, CSS3, Vite.js, Svelte, Next.js
Backend:	FastAPI, Node.js, Flask, Django
Databases:	MongoDB, PostgreSQL
Tools:	Git, Linux (Arch), Docker, REST APIs
Libraries:	NumPy, Pandas, scikit-learn, TensorFlow, OpenCV

EXPERIENCE

R&D Intern — DIAT-DRDO   Feb 2024 - Jul 2024
Pune, India

- Built bootloader in Assembly; secured boot process via TPM.
- Published IEEE paper on secure boot-level cryptographic methods.

Internship Trainee — Kasnet Technologies   Aug 2021 - Sep 2021
Pune, India

- Created Attendance Management System using Python and JS.
- Collaborated with team to test, debug, and document full-stack flow.

PROJECTS

Zero-Connect — Real-Time Web Chat App

- React.js + Node.js based chat app with WebSockets.
- Features include real-time messaging, group chat, and E2E encryption.
- [GitHub](#) — [Live](#)

Face Mask Detection — Deep Learning Project

- Built with TensorFlow and OpenCV. Achieved 90% accuracy.
- Trained on real-world datasets for mask classification.
- [GitHub](#)

CERTIFICATIONS

- **Python From Zero to Expert** — Udemy   Feb 2025
- **SSOC Season 2** — Script Foundation   May 2023
- **Full Stack Web Development** — Udemy   Jan 2024