# MEGA UMASANKAR

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## OBJECTIVE

Final year student at VIT Chennai with a strong foundation in full-stack development and AI/ML, seeking software development internships to solve real-world challenges through technology and innovation.

## EDUCATION

**Vellore Institute of Technology**, Chennai — Sep 2022 – Jul 2026
B.Tech in Computer Science and Engineering (AI & ML) — CGPA: 9.22

## SKILLS

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|---|---|
| **Languages** | Java, C, C++, Python, R, SQL |
| **Development** | HTML, CSS, JS, AngularJS, ReactJS, React Native, Expo |
| **Database/Tools** | SQLite, MySQL, MongoDB, Git, Firebase, Postman, Figma, Arduino |
| **AI/ML** | Machine Learning, CNN, RNN, Computer Vision |

## EXPERIENCE

**Software Developer Intern – Task Management App** — May 2025 – Jul 2025
Vega Intellisoft, Chennai
Developed a React Native-based task management app integrated with SQLite. Built recursive task structures, admin assignment workflows, and employee time logging with a user-friendly dashboard and real-time status tracking.

**R&D Intern – Recommender System** — Jun 2024 – Jan 2025
Samsung PRISM
Built a review-based recommender system to model user preferences using sentiment analysis and iterative feedback loops, enhancing personalization through continuous feature refinement.

**Full Stack Development Intern – ATS System** — Jun 2024 – Jul 2024
Vega Intellisoft, Chennai
Worked on UI enhancements and responsive components using Angular for an Applicant Tracking System. Collaborated with cross-functional teams to implement and test key system features.

## PROJECTS

**Task Management System (Mobile)**: A full-featured React Native app with SQLite backend supporting role-based access, recursive task structures, admin-controlled deadlines, and real-time task tracking.

**Deepfake Detection System**: A web-based video analysis tool using a CNN-based classifier and React frontend, enabling real-time detection of deepfakes with optimized accuracy.

**Donor Management System**: Designed with Python and SQLite, the system tracks organ availability, schedules surgeries, and aids doctors with a simple interface for donor-patient matching.

**Car Parking Management System**: Implemented in Python with Tkinter, it automates entry/exit, slot updates, and time-based billing, cutting down manual processing time by 40%.

**Home Security System**: Developed with Arduino, GSM, and biometric modules, this system includes OTP verification and fingerprint access with 95% accuracy for layered home security.

## EXTRACURRICULAR ACTIVITIES

- **TechnoVIT'24**: Member of the Discipline Committee, maintained event order and adherence to rules.
- **Linux Club, VITC**: Led marketing for FossIt'24 and organized CTFs, hackathons, and workshops.
- **GDSC, VITC**: Helped organize the DevsHouse'24 hackathon and promoted student-led tech events.