ENIYA SRE AG

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EDUCATION

Vellore Institute of Technology, Chennai   Jul 2022 – Jul 2026

B.Tech in CSE with Specialization in Cyber Physical Systems **CGPA: 8.94**

Courses: Data Structures and Algorithms, Object Oriented Programming, Compiler Design, Operating Systems, Software Engineering, Database Systems, Cryptography, Web Development, Computer Networks

TECHNICAL SKILLS AND TOOLS

Languages & Web: C, C++, Java, Python, JavaScript, HTML, CSS, Flask, React
AI/ML Tools: TensorFlow, PyTorch, Scikit-learn, OpenCV, Tesseract OCR
Databases & Platforms: MySQL, SQL, Git, Leaflet.js, SMTP, VSCode
Professional Skills: Communication, Problem-Solving, Critical Thinking, Detail-Oriented, Adaptable, System Thinking

EXPERIENCE

Web Development Intern, Tridots — Chennai, India   Jun 2024 – Jul 2024

Frappe, Python, JavaScript, React

- Developed full-stack modules using the **Frappe framework** to streamline expense tracking, reporting workflows, and financial record management through a dynamic expense tracker with CRUD operations, filters, export functionality, and secure user authentication.
- Designed and implemented a **React-based fashion web app** featuring swipe-style UI and dynamic filtering to enhance user experience, engagement, and outfit discovery in a seamless manner.

PROJECTS

SMART PCOS Diagnostic System | *Scikit-learn, Pandas, Matplotlib*

- Built a real-time diagnostic tool using ensemble models—**Random Forest**, **Bagged Trees**, and **Boosted Trees**—to predict PCOS from patient health records.
- Achieved **93%+ accuracy** across **200+ samples**, enabling early detection and intervention in clinical workflows.

Vision Aid: OCR-Based Text-to-Speech Tool | *Tesseract OCR, PyTTSx3, OpenCV, Python*

- Developed a real-time assistive system that converts handwritten and printed text into speech for **visually impaired users**.
- Integrated **Tesseract OCR** for text recognition and **PyTTSx3** for audio output; achieved **85%+ accuracy** in varying lighting conditions and font styles.

Civic Issue Aggregator | *Flask, Leaflet.js, SpaCy, SMTP*

- Built a geolocation-enabled web platform using **Flask** for submitting civic issue reports with image uploads and automatic **NLP-based categorization** via **SpaCy**.
- Implemented an **admin dashboard** with Leaflet.js for map clustering and integrated **real-time email alerts** to authorities using SMTP.

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900) — Score: 959	Aug 2024
Remote Sensing and Digital Image Analysis(IIRS) — Grade: A	Aug 2023
Spoken Tutorial - C/C++/Python (IIT Bombay)	Apr 2023

POSITIONS OF RESPONSIBILITY

Content Team Member, IEEE (WIE) — VIT Chennai   Apr 2023 – Feb 2024

- Created impactful content to promote **diversity and inclusion in technology** through campaigns and articles.
- Organized technical and outreach events while contributing to **social media strategies** and content planning.

Volunteer, NSS — VIT Chennai   Nov 2023 – Nov 2024

- Actively participated in multiple **social outreach programs**, including **cleanliness drives and health camps**.
- Contributed to awareness campaigns promoting **sustainability**, **civic engagement**, and **community development**.