

# VATTURI HARSHITHA

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## EDUCATION

### PANIMALAR ENGINEERING COLLEGE

Bachelor of Engineering, Computer Science Engineering, GPA: 8.7/10

(IETE Member, Led Robotics Process Automation Club (UI-NIQUE AUTOMATORS), Head of Events)

**Relevant Coursework:** Engineering Mathematics, Probability and Queuing Theory, Organizational Behavior and Ethical Practices, Professional Readiness for Innovation, Employability, and Entrepreneurship

CHENNAI, INDIA

2021-2025

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## WORK EXPERIENCE

### Central Metro Railway Limited (CMRL)

#### Intern

Chennai, India

Jul 2024 – Aug 2024

- Redesigned the user interface of an online ticket booking platform using Angular and JSON, integrating multiple payment gateways and enhancing reliability and user convenience.
- Developed new features with Kotlin to streamline navigation and improve accessibility, contributing to a platform now used daily by thousands of commuters.
- Facilitated clear communication between cross-functional teams, including developers and stakeholders, to gather requirements, address feedback, and ensure alignment with project objectives.

#### Vikatan

#### Intern - Digital Business Department

Chennai, India

Jul 2024 – Aug 2024

- Analysed the strategic integration of digital platform design to enhance user experience, boost customer engagement, and align with business objectives.
- Learned modular design & development practices to streamline workflows, optimize resources, and ensure scalability for the future.
- Assisted with market research and automation strategies to streamline advertisement posting, improving efficiency and supporting better stakeholder management.

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## ACADEMIC PROJECTS

### Safety Device for Women and Juvenile Children

Jul 2023

- Developed a user-centric solution addressing critical social challenges, demonstrating the potential of technology in driving impactful and innovative applications.
- Engineered an IoT-based safety device by managing project planning, resource allocation, and execution, addressing market demands, and elevating user safety.

### KSN Construction Company Website

Oct 2023

- Collaborated with the founder and associates to build an online platform that enhanced project visibility as well as operational transparency, allowing customers to trace completed projects.
- Strengthened customer relationships by bridging communication gaps, providing timely updates, and ensuring consistent and user-friendly experience. This platform engendered trust and connectedness with the business.

### Business Enquiry Email Parsing Automated Bot

Apr 2024

- Collaborated with the team to automate the parsing of emails, thereby reducing processing time by 75%, allowing the team to concentrate on high-priority tasks and improving overall productivity.
- Increased enquiry handling capabilities 3-fold, boosting workflow efficiency and enhancing client satisfaction.

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## LEADERSHIP EXPERIENCE

- Ui-Nique Automators:** Led the creation and management of a tech-focused community, collaborating with industry experts to organize events and foster engagement, increasing social media follower engagement by 30%.
- PEC TECKATHON 1.0 (Powered by Cognizant):** Hosted a 36-hour hackathon, facilitating problem-solving sessions, providing logistical support, and resolving on-the-spot challenges to ensure event success.

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## PUBLICATIONS

- [Smartwatch-Powered Vehicle Navigation On Unmapped Terrain IEEE](#)
- [Mental Health Harmony: Insights from the Machine Learning Frontier IEEE](#)
- [Detection of Potholes Using CNN - EasyChair Publications](#)

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## SKILLS AND INTERESTS

**Skills:** MS Office, Python, Figma, Social Media Management, Event Coordination, Leadership, Communication, Cross-Functional Collaboration, Stakeholder Management, Market Research