

Pavana Manvitha Maddula

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B.Tech - Computer Science and Engineering (Data Science)

CMR College of Engineering & Technology, Hyderabad

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[GitHub](#)

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EDUCATION

Bachelor of Technology	2022-2026
CMR College of Engineering & Technology, Hyderabad	8.49/10 (Current)
Senior Secondary	2020-2022
Narayana Junior College, Hyderabad	97.8%

WORK EXPERIENCE

- **Microsoft** *May 2025 – July 2025*
Hyderabad, Telangana
Technical Consultant Intern
 - Developed and optimized **fleet analytics workflows** using **data engineering** and **machine learning** techniques to improve fleet performance and operational efficiency.
 - Ingested and transformed raw fleet data into **SQL databases** via **Azure Data Factory (ADF)** pipelines, performed **data cleaning, feature engineering**, and transformation using **PySpark**.
 - Applied **K-Means clustering** for **predictive maintenance** and generated actionable insights with **Power BI dashboards** for fleet management.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python
- **Frontend Development:** HTML, CSS, JavaScript, React.js, Bootstrap, Tailwind CSS, Figma
- **Backend Development:** Node.js, Express.js, Flask
- **Databases:** MySQL, MongoDB, Firebase
- **Cloud, Analytics & Dev Tools:** Microsoft Azure, Power BI, Git, GitHub

PROJECTS

- **SvasthMaitri** [Github](#)
React.js, Node.js, Express.js, Firebase
 - Engineered a user-friendly platform for donating excess medicines and medical equipment, ensuring timely delivery of resources to the needy while reducing environmental impact and promoting sustainability.
 - Significantly improved search efficiency for donation data by implementing an **inverted index data structure**, boosting query performance by up to 60%.
- **Axiom** [Github](#)
React.js, Flask, Python, Scikit-learn, Firebase, Google Gemini API, Gmail API
 - Built a platform integrating **email sentiment analysis**, **video summarization** with multilingual translation, automated invoice data extraction, and an AI-powered conversational chatbot.
 - **Automated business workflows**, improving operational efficiency and productivity, and reducing manual effort by up to 40%.

CODING PROFILES

[Leetcode](#) [Codeforces](#) [Codechef](#)

ACHIEVEMENTS

- **Competitive Programming**, Leetcode **Knight** (1937) | Codeforces **Expert** (1612) | Codechef **3 Star**. Jan, 2026
- **Google Girl Hackathon 2025**, Placed among the **top 75 finalists** out of 58,000+ participants across India. Mar, 2025
- **IIWCPC 2025**, **Top 11 finalist** in a national CP tournament with 1600+ participants at IIT Guwahati. Oct, 2025
- **Hackrevolution 2025**, Secured **2nd Place** national-level hackathon among 225+ teams. Jan, 2025
- **Azura 2024**, Earned **1st place** in a national-level coding competition among 400+ teams. Sep, 2024
- **Hackwars 2024**, Achieved **2nd place** in a national hackathon among 100+ teams. Aug, 2024
- **Hackprix 2024**, Won **Best Girls Team** Award in HackPrix Hackathon among 150+ teams. Jun, 2024

CERTIFICATIONS

- **Microsoft Certified: Azure AI Fundamentals (AI-900)**, [\[Certificate\]](#) June 2025
- **Microsoft Certified: Azure Fundamentals (AZ-900)**, [\[Certificate\]](#) June 2025