

Namburi Durga Deepika

deepikavarmanamburi122@gmail.com | +91 9014887106

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Education

Shri Vishnu Engineering College For Women B.Tech in Artificial Intelligence and Data Science; CGPA: 8.38	Andhra Pradesh, India Aug 2023 – May 2026
Smt. B. Seetha Polytechnic College Diploma in Computer Science; Percentage: 87.8%	Andhra Pradesh, India Oct 2021 – Apr 2023
Sarada English Medium School SSC; Percentage: 97.3%	Andhra Pradesh, India Apr 2020

Projects

RideEase – Full Stack Ride Sharing App Live App GitHub	Apr – June 2025
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Built a secure web app for college students to offer/request rides using college email verification..

- College-domain email login for trusted access.
- Real-time ride offers and messaging with Socket.IO.
- Hosted on Netlify (frontend) and Render (backend)
- Test credentials: 1234newone@svecw.edu.in |pass:1234

Tech Stack: HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Mongoose, Socket.IO

Commuter Demand Prediction (ML Project) GitHub	Jan - March 2025
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Used XGBoost to forecast urban commuter volume based on historical travel trends.

- Collected and preprocessed traffic datasets; engineered time-based features for prediction.
- Performed EDA to identify peak hours and high-demand zones using heatmaps and visual analytics.
- Trained and tuned XGBoost model achieving an R^2 score of 0.89 on unseen data.
- Suggested route optimizations and peak hour scheduling improvements to ease urban congestion.

Tech Stack: Python, Jupyter Notebook, XGBoost, Scikit-learn, Pandas, NumPy, Seaborn, Matplotlib, Git

Coding Profiles

- [LeetCode: 50+ problems solved](#)
- [HackerRank: 5* in Problem Solving](#)
- [Take U Forward: 50%+ DSA Sheet Completed](#)

Skills Summary

- **Languages:** C++, Python, Java (Basics), HTML, CSS, JavaScript
- **Frameworks:** Node.js, Express.js, Streamlit, Socket.IO
- **Libraries:** pandas, NumPy, scikit-learn, XGBoost, matplotlib, seaborn
- **Concepts:** Data Structures Algorithms (DSA), Machine Learning
- **Database:** MongoDB, SQL (Basics)
- **Tools:** Git, GitHub, Netlify, Render, VS Code, Jupyter Notebook

Achievements

- **Finalist – IET IGNITE Competition 2024-2025** 8 March 2025
- **IET Best Leadership Award 2025** 8 March 2025
- **Anchor – IET IoT Workshop 2024** 23–28 December 2024
- **Runner-up – IET HLN PATN 2024** 7 December 2024
- **Technical Volunteer – IET India, Future Tech Congress-2024** 2 September 2024
- **National Winner & Global Nominee – NASA Space Apps Challenge 2023** 7–8 October 2023
Appreciated with Galactic Problem Solver Certificate and Gold Medal.