

PIPPARI AMULYA

Personal Information

- **Date of Birth:** 15 October 2003
- **Nationality:** Indian
- **Address:** Telangana, India

Education

B.Tech in Electronics & Communication Engineering	Jyothishmathi Institute of Technology and Science	2021–2025, CGPA: 7.8
Minor in Data Science	Jyothishmathi Institute of Technology and Science	2023–2025, CGPA: 7.2
Intermediate (PCM)	Sri Chaitanya Junior College	2019–2021, CGPA: 8.2
SSC	Manasa High School	2018–2019, CGPA: 9.5

Technical Skills

- **Programming Languages:** Python, C, Verilog, JavaScript
- **Markup & Web Technologies:** HTML, CSS, Bootstrap
- **Databases & Analytics:** SQL
- **Development Tools:** Jupyter Notebook, VS Code, GitHub
- **Productivity Tools:** Microsoft Word, Excel, PowerPoint, Google Workspace (Docs, Sheets, Drive)
- **Documentation:** Project writing, technical documentation

Work Experience

Data Science Intern – Exposys Data Labs *May–Jul 2022*

- Built and evaluated multiple regression models to predict company profits from R&D, Administration, and Marketing expenses.
- Used Python libraries (scikit-learn, pandas, matplotlib) to implement Linear Regression, Decision Tree, Random Forest, and Gradient Boosting models.
- Gradient Boosting achieved the highest R^2 score; visualized actual vs predicted outcomes.

Projects

Human Following Robot Car *Jan–Feb 2025*

- Developed an Arduino-based autonomous robot car to follow humans in real-time using ultrasonic and infrared sensors.
- Implemented obstacle detection and dynamic path adjustment for safe navigation.

- Controlled motors via L298N driver and PWM signals for precise movement.

Image Generator using Stable Diffusion

Feb–Apr 2025

- Built an AI text-to-image system for suspect identification and creative generation.
- Integrated text parsing, latent diffusion, decoding, and real-time feedback via user interface.

Telemetry Data Integration and Analysis for General Motors

Feb–Apr 2025

- Built a cloud pipeline on Azure to ingest, validate, and analyze vehicle telemetry data.
- Migrated data from AWS to Azure Data Lake; automated ETL with Azure Functions and SQL DB.
- Enabled real-time dashboards with Azure Synapse and Power BI for predictive insights.

Positions of Responsibility

Vice President – Electronics Student Association

- Organized departmental technical events and coordinated between faculty and students.

Inter Technical Event Coordinator [Innofest 2025]

- Managed 8+ events including coding quiz, project competition, and poster presentations.
- Led a 4-member team for smooth execution and participant engagement.

Achievements

- Global rank 3796 in TCS CodeVita Season 12.
- Position in Inter Project Expo out of 50+ teams.
- Winner in Intra-college Art Competition.

Languages

- English: Fluent
- Hindi: Conversational
- Telugu: Native

Soft Skills

- Communication & Presentation, Leadership & Teamwork
- Problem Solving, Adaptability & Quick Learning
- Time Management

Hobbies and Interests

Painting, Pencil Sketching, Crafting