Kavya Telagareddi

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Internship

- **Infosys Springboard** *Sep 2025 – Nov 2025*
  Intern Remote
  - Worked on a **Smart Stock Inventory Optimization System** for small retail stores to reduce overstocking and stockouts.
  - Designed and evaluated time-series forecasting models to predict product-level demand, enabling data-driven inventory decisions and reducing overstock and stockout risk.
  - Built a Streamlit-based analytics dashboard improving visibility into demand, stock health, and risk alerts.
  - Contributed to an admin interface for uploading sales data, generating reports, and flagging stock risks.Collaborated with cross-functional stakeholders to design data ingestion and reporting workflows, ensuring data quality, interpretability, and scalability.
  - **Tech Stack:** Python, Pandas, NumPy, Scikit-learn, Streamlit, Matplotlib

Personal Projects

- **Predictive Stock Market Analysis [Machine Learning]** *GitHub Feb 2025*
  *Built and deployed an ML pipeline comparing **LSTM and GRU models**, improving forecast accuracy by **15%**.*
  - Evaluated and optimized machine learning model performance using **RMSE and MAE**, achieving a **15% improvement in forecast accuracy** by implementing automated model selection.
  - Translated complex model outputs into clear, actionable insights using visual analytics, supporting informed decision-making across 100+ stock symbols.
  - Utilized a robust tech stack: **Python, Pandas, NumPy, Scikit-learn, TensorFlow/Keras, Matplotlib, Seaborn** to build, train, and deploy predictive models with **95% code efficiency and reproducibility**.

- **Maze Solver** *GitHub Dec 2024*
  Pioneered the integration of two additional maze-solving algorithms.
  - Developed a visually engaging interface using **HTML, CSS, and JavaScript**, improving user interaction and maze-solving efficiency by **30%**.
  - Implemented and integrated multiple algorithms for maze solving including **Breadth-First Search (BFS)** and **Dijkstra's algorithm**, and for maze generation such as **Kruskal's** and **Prim's algorithms**, supporting diverse maze complexities.
  - Engineered a dynamic maze generator that created complex mazes with **95% algorithmic accuracy**, boosting user engagement and enabling hands-on learning of pathfinding and decision-making processes.

Technical Skills

Programming Languages: Java, Python, C, C++, SQL
Computer Science Fundamentals: Data Structures and Algorithms(DSA), Object-Oriented Programming (OOPs), Operating Systems(OS), DBMS
Tools & Technologies: Git, GitHub, Linux, VS Code
Soft Skills: Problem Solving, Team Collaboration, Adaptability, Communication

Positions of Responsibility

•**JS – Coding Club, CSE Association (CSEA)**Organized coding workshops and hackathons (2025 Present).

•**Teaching Assistant – NIT Andhra Pradesh (Sep 2025 – Dec 2025)** Assisted faculty in labs, clarified student doubts, and supported course execution.

•Team Lead – **Hackathons(SIH 2024,GROMOAI)**, guiding and coordinating participants for project development.

•Organized and led **PR Team & Hospitality Team – Vulcanzy Fest, NITAP (2025)**, Managed 100+ participants, strengthened communication and event flow.

Achievements and Certifications

•Ranked **1300/3,00,000** in Telangana EAPCET (2023) | **98.17 percentile** in JEE Mains (2023).

•Certified in **OOPs, DBMS, Python Foundations, Programming Fundamentals** – Infosys Springboard.

•Campus Delegate Offer – **Averixis Solutions (Apr 2025)**.

Education

- **National Institute of Technology, Andhra Pradesh** *2023 – 2027*
  B.Tech in Computer Science and Engineering CGPA: 8.44