Varaprasad Suddala

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Internship

Prodigy InfoTech — *Machine Learning Intern*   **March 2025 – April 2025**

- Completed a 1-month educational internship focused on core Machine Learning concepts and practical implementations.

- Worked on task-based learning modules covering real-world ML use cases.

- Received appreciation for timely completion and quality submissions of assigned tasks.

Cipher School   **May 2024 – July 2024**

- Developed interactive learning modules and coding challenges to enhance students' understanding of Data Structures and Algorithms (DSA) and Machine Learning.

- Engineered problem-solving exercises that strengthened algorithmic thinking and coding proficiency.

Projects

- **Fake News Detection (NLP & Machine Learning)**: Developed a machine learning-based system to classify news articles as real or fake using Natural Language Processing (NLP) techniques. The model was trained on the Kaggle Fake News dataset to ensure accuracy and reliability. Key preprocessing steps included implementing TF-IDF and CountVectorizer to convert textual data into numerical formats. For classification, both Logistic Regression and Support Vector Machine (SVM) algorithms were used, and their performance was compared to optimize the model. The project was built using Python and involved libraries such as Scikit-learn, Pandas, and NumPy.
  Tech: Python, Scikit-learn, Pandas, NumPy, TF-IDF, SVM, Logistic Regression.
- **Library Management System (Linked List & BST):** Designed and developed a system to efficiently manage book records, focusing on fast searching and tracking through the use of Data Structures and Algorithms. The system utilized a Binary Search Tree (BST) for quick book searches and a Linked List to maintain records of issued books. Additionally, a Hash Map was implemented to track book availability, and file handling techniques were used for persistent data storage. The project was developed using C++ and the Standard Template Library (STL).

Certificates

- **Certification Name:** Microsoft Azure AI Essentials Professional Certificate   February 2025
- **Certification Name:** Cloud Computing Essentials: Benefits, Services, Platforms, Security, and Careers   February 2023
- **Certification Name:** C++ Programming: OOPs and DSA   July 2024
- **Certification Name:** Python (Basic)   December 2022

Technical Skills

- **Programming Languages**: C, C++, Java, Python
- **Frameworks & Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow
- **Tools & Technologies**: Git, GitHub, Linux, Ubuntu, Shell Scripting
- **Database & Systems:** MySQL, SQLite, Data Structures & Algorithms (DSA)

Soft Skills

- **Analytical Thinking** — Developed ML models for Fake News Detection using NLP
- **Team Collaboration** — Worked with developers to integrate features in Cipher School internship
- **Effective Communication** — Documented projects and explained complex algorithms clearly

Education

Lovely Professional University   **Phagwara, Punjab**

B.Tech in Computer Science and Engineering | CGPA: (currently improving)   *2022 – 2026*

Actively working on improving academic performance with a focus on ML and system design.

Sri Chaitanya Colleges   **Hyderabad, Telangana**

12th with Mathematics, Physics, Chemistry — Percentage: 82.2%   *2020 – 2022*

Vikas High School   **Siddipet, Telangana**

Secondary School — CGPA: 10.00   *2019 – 2020*