Yarramreddy Suvarna

Narasaraopet, Palnadu District | 9618740336 | suvarnayarramreddy@gmail.com

About

An enthusiastic and motivated third-year B.Tech student specializing in Artificial Intelligence and Machine Learning, with a strong foundation in programming and problem-solving. Experienced in applying Machine Learning techniques and Data Science concepts to solve real-world challenges. Passionate about creating innovative solutions and eager to secure an internship to further develop my programming and problem-solving skills through hands-on experience.

Education

Bachelor of Technology (Artificial Intelligence and Machine Learning) 2022-2026
Shri Vishnu Engineering College For Women, Bhimavaram, India
CGPA: 9.31 / 10.0

Intermediate (MPC) 2020–2022
Oxford Junior College, Ravipadu
Percentage: 96.9

Secondary School Certificate (SSC) 2019–2020
Andhra High School, Narasaraopet
Percentage: 95.6

Projects

- **Student Performance Analysis - K-means Clustering** Developed a machine learning model to cluster students based on performance and demographics, enabling targeted educational interventions. Visualized results using scatter plots and dendrograms.
  Technologies: Python, K-means, Pandas, Matplotlib

- **Research and Development Portal - Faculty Dashboard System (Ongoing)** Developed a web-based platform to manage and streamline faculty research contributions, including publications, patents, seed money applications, and external funded projects. Implemented role-based user access and a user-friendly interface to facilitate data entry, updates, and record management for faculty members.Leveraged cloud-based data storage for real-time updates and secure data retrieval.
  Technologies: ReactJS, Firebase, CSS, Firestore.

- **Handwritten Digit Recognition using SVM in Scikit-learn** Built a handwritten digit recognition system using the MNIST dataset and a Support Vector Machine classifier in Scikit-learn. The model was trained to classify digits (0-9) and achieved an accuracy of 90 percent on the test data.
  Technologies: Python, Scikit-learn,Matplotlib/Seaborn,NumPy

Internships

Full Stack Development with Java May 2024 - June 2024
Skill Dzire,
Worked on dynamic web applications, focusing on backend and frontend integration. Gained practical experience in software development, enhancing skills in Java and web technologies. 🔗

Cybersecurity Virtual Internship April 2024 - June 2024
Palo Alto, AICTE, Eduskills
Completed a cybersecurity internship, supported by Palo Alto and conducted by AICTE and Eduskills. Gained hands-on experience in cybersecurity concepts and practices to enhance security across digital platforms. 🔗

Skills

Technical:

- Languages: C, Python, Java

- Full Stack Development: HTML, CSS, ReactJS

- Data Science: Numpy, Pandas, Matplotlib

- Data Structures and Algorithms(Intermediate)

- Databases: DBMS, MySQL, Firebase

- Developer Tools: VS Code, Git

- Data Analysis: Numpy, Pandas, Matplotlib

Personal:

- Self-Motivated, Teamwork, Adaptability, Time Management

Profiles

1. **LinkedIn:** https://www.linkedin.com/in/suvarna-yarramreddy-a19899256

2. **LeetCode:** https://leetcode.com/u/Suvarna_yarramreddy/

3. **HackerRank:** https://www.hackerrank.com/profile/22b01a42c0

4. **Codechef:** https://www.codechef.com/users/suvarna_4

Certificates

- Java Programming – Oracle Academy, NPTEL 🔗

- Database Foundations – Oracle Academy 🔗

- Certified Smart Coder (Bronze), Smart Interviews, 2024 - Achieved global rank 12558/33419. 🔗

- French A1 Level Program – Global Language Solutions 🔗

Workshops

Data Science Fundamentals
Conducted by Sabudh
Learned the basics of data science, including data preprocessing, visualization, and introductory machine learning algorithms.