

Yarramreddy Suvarna

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About

Motivated third-year B.Tech student specializing in Artificial Intelligence and Machine Learning, with a solid understanding of data structures and full-stack development. Proficient in applying programming skills to solve real-world problems through academic projects. Passionate about AI and continuously learning to expand technical expertise. Actively seeking an internship to apply my knowledge in data structures, full-stack development, and AI, and contribute to impactful projects.

Education

- **Bachelor of Technology (Artificial Intelligence and Machine Learning)**
Shri Vishnu Engineering College For Women, Bhimavaram, India
CGPA: 9.25 / 10.0 2022 – 2026
- **Intermediate (MPC)**
Oxford Junior College, Ravipadu
Percentage: 96.9 2020 – 2022
- **Secondary School Certificate (SSC)**
Andhra High School, Narasaraopet
Percentage: 95.6 2019 – 2020

Projects

- **Student Performance Analysis - K-means Clustering** **Duration: 6 days** 
 - 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 (Ongoing)** **Duration: 1-2 months** 
 - **Real World Problem:** Faculty research contributions, including publications, patents, and funding applications, often lack centralized management.
 - **Project Impact:** Our proposed system is a centralized web portal that stores all research-related information securely in one place. It eliminates manual processes, ensures data consistency, and makes research management efficient, reliable, and easy to use. It simplifies workflows and provides better accessibility for faculty.
 - **Tech Stack:** ReactJS, MySQL, Bootstrap
- **Handwritten Digit Recognition using SVM in Scikit-learn** **Duration: 4 days** 
 - **Real World Problem:** Efficient digit recognition is essential in various applications like postal services and banking.
 - **Project Impact:** The project leveraged an SVM classifier to accurately recognize handwritten digits, achieving 90% accuracy.
 - **Tech Stack:** Python, Scikit-learn, NumPy, Matplotlib, Seaborn

Internships

Full Stack Development with Java

May 2024 - June 2024

Skill Dzure,

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.