Aamogh Siddartha Reddy

Vellore, Tamil Nadu aamoghsiddartha2020@gmail.com +91 79898 69813 Portfolio LinkedIn GitHub

Career Objective

I enjoy building efficient, scalable solutions and have a strong interest in AI/ML and competitive programming. I love tackling challenges and using technology to bring ideas to life. Always eager to learn and explore new possibilities in computer science.

Education

Vellore Institute of Technology, Vellore, Tamil Nadu *2022 – 2026*
B.Tech in Computer Science — CGPA: 8.53

- Coursework: Data Structures and Algorithms, Database Systems, Operating Systems, Computer Networks, Computer Architecture & Organization, Information Security, Foundations of Data Science, Software Engineering

Narayana Junior College, Hyderabad, Telangana *2020 – 2022*
Senior Secondary School Examination — Result: 98.4%

Montessori High School, Kurnool, Andhra Pradesh *2019 – 2020*
Secondary School Examination — Grade Point: 10.0

Skills

Languages: C++, C, Java, Python, HTML, SQL
Technologies & Tools: Pandas, Jupyter, NumPy, TensorFlow, Git, GitHub, Visual Studio Code, Power BI
Soft Skills: Problem-solving, Team Collaboration, Adaptability, Time Management, Critical Thinking, Continuous Learning

Experience

Operational & Documentation Head *Mar 2025 – Present*
Telugu Literary Association (Sahiti_TLA) *Vellore, Tamil Nadu*

- Collaborated in planning and executing cultural and literary events, ensuring smooth coordination between teams and participants.
- Led event operations and maintained structured documentation, improving workflow efficiency and communication within the team.

Secretary & Executive Member *Mar 2025 – Present*
Zero Waste Management Club *Vellore, Tamil Nadu*

- Coordinated communication between club members and external partners, ensuring timely updates and smooth event execution.

Projects

Diabetes Prediction using SVM *github.com/aamogh5678*

- Implemented data preprocessing and feature engineering to prepare medical diagnostic data for model training.
- Developed an SVM classification model to predict diabetes; evaluated using accuracy and confusion matrix.
- Utilized Python (Scikit-Learn, Pandas, NumPy, Matplotlib) for an end-to-end pipeline including cleaning, model building, and visualization.

Generative AI using TensorFlow *github.com/aamogh5678*

- Built a predictive model to estimate compressive strength of concrete using ML techniques.
- Applied deep learning, data preprocessing, and visualization to enhance prediction accuracy and interpretability.
- Implemented the solution using TensorFlow and Jupyter Notebook, demonstrating end-to-end ML workflow

expertise.

Achievements

- Agile Methodologies & Version Control – strong understanding of Git and GitHub.
- Participated in 3 coding hackathons, demonstrating adaptability and problem-solving skills in high-pressure environments.

Certifications

- Infosys Springboard – Java Language Features (June 2025) [1]
- Artificial Intelligence using Google TensorFlow – SmartBridge & Google Developers (June–July 2024) [2]