







Mukheshkumar Reddy Singamareddy

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SUMMARY

Aspiring Software Developer with a strong foundation in problem-solving and a keen interest in artificial intelligence and machine learning. Currently pursuing a degree in Computer Science, seeking opportunities to apply theoretical knowledge in practical environments and contribute to innovative projects.

EDUCATION

SRM University AP

Computer Science Engineering

Cumulative GPA : **8.71/10.0**

Amaravati, Andhra Pradesh

September 2022 – June 2026

TECHNICAL SKILLS

- **Programming Languages:** C/C++ , Python , Java
- **Web Development:** React.js, Node.js, Bootstrap, MongoDB, SQL, AWS (currently learning)
- **Development Tools:** Git, GitLab, VS Code
- **Machine learning:** Data Preprocessing, Neural Networks, Ensemble Learning
- **Areas of Interest :** Data Structures and Algorithms , OOPS

WORK EXPERIENCE

Internship under IBM Edunet

Frontend Developer

June 2024 - July 2024

Virtual

- Developed a Personal Portfolio showcasing my skills and learning during internship

CERTIFICATES

- Data Analysis using Python by Finlatics.
- Joy of Computing Using Python by NPTEL .

PROJECTS

Dynamic Multi-Layer Neural Network for Supervised Learning with Customizable Architecture

Technologies Used: Python

- Engineered a feedforward neural network in Python, featuring customizable architecture and node configurations, and implemented a comprehensive training workflow leveraging forward propagation and backpropagation, improving model accuracy by 15%.
- Optimized model performance by tracking and storing weights and biases that yielded the lowest sum of squared errors (SSE).

Employee Management System using OOPS in C++

Technologies Used: C++

- Developed a C++ based employee attendance system with support for adding, removing, and tracking employee records via file I/O, implementing attendance logging with timestamping and validation against registered employee data.
- Designed a modular menu-driven console interface to manage employee data and attendance history efficiently.

Online Doctor Appointment System

Technologies Used: JavaScript, Botpress, Node.js, React.js

- Ongoing group project developing a comprehensive doctor appointment booking platform, with responsibility for integrating a Botpress chatbot to assist users with queries and emergencies.
- Collaborating with the team on chatbot integration and overall project development.