MOHAN CHANDRA S S

CSE Student| Mobile: +91- 8197030287| Email: mohanshivaiah24@gmail.com | LinkedIn | GitHub|

Profile : Software developer with a strong interest in Machine Learning, Game Development, Robotics, and Web Application Development. Experienced in building software solutions, developing AI models, and working with embedded systems. Looking to expand experience in these fields through hands-on projects, research, and innovative applications.

WORK EXPERIENCE:

CVCSI(Center for Visual Computing and Sustainable Intelligence) Research center *May 2024- July 2024*

Machine Learning Intern

- Gained hands-on experience in the stock market prediction research group utilizing machine learning algorithms (LSTM, Random Forest, CNN) for forecasting stock prices and analyzing market trends using historical data.
- Worked on preprocessing large financial datasets and conducted model training and evaluations to optimize performance and accuracy.
- Conducted research and comparative analysis of three machine learning models (LSTM, Random Forest, CNN), producing reports on their accuracy and performance in stock market prediction.

PROJECTS:

Stock Market Prediction

- Researched and implemented LSTM networks for financial time-series forecasting using historical stock data.
- Applied temporal sequence modeling to capture long-term dependencies in stock price trends, enhancing predictive accuracy through regularization and feature optimization.
- Conducted comparative analysis against CNN and Random Forest models, evaluating performance using Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE)

Smart Home Monitoring System

- Developed an IoT-enabled Smart Plug using ESP32, achieving 92% accuracy in real-time energy consumption analysis.
- Integrated Blynk-based cloud architecture for seamless remote monitoring, control, and data visualization across multiple devices.
- Designed a precision-calibrated power measurement system with a current sensor and relay module, enabling intelligent appliance automation.

MySafety – Criminal Database Management System

- Developed a web-based criminal database system for efficient record retrieval and public safety awareness.
- Designed a secure, scalable architecture with real-time data access for quick and accurate criminal profiling.
- Implemented a structured database and analytical tools to enhance law enforcement and public accessibility.

TECHNICAL SKILLS:

Languages and Databases	C, C++, Java, Python, HTML, CSS, JavaScript, SQL, MongoDB
Libraries and Frameworks	Django, Flask, TensorFlow/Keras, React.js, Node.js
Embedded Systems & Robotics	Embedded C (Microcontrollers), Control Systems, Sensor Integration
Tools	Git/GitHub, IntelliJ IDEA, VS Code, Arduino IDE, Figma, Canva

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EDUCATION:

RV University, Bangalore, India — 1st year

B.Tech Computer Science Engineering — ***CGPA- 8.8***

Narayana PU College — March 2023

Class XII — ***STATE- 91%***

Narayana e-Techno School — March 2021

Class X — ***CBSE- 95%***