KOTHAVANDLA SHASHANK REDDY

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Signed

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Objective

Highly motivated and quick-learning Computer Science engineering student with strong fundamentals in Python, Python FullStack, Basic Java, and frontend development HTML,CSS,JS,React. Seeking an entry-level role to apply technical skills, learn new technologies, and contribute effectively to organizational success.

Skills

- **Technical Skills**: Python, Flask, Java, DBMS, HTML, CSS, JavaScript, React, Bootstrap
- **Behavioral Skills**: Leadership, Team Leader

Education

- **2022-2026**   B.TECH in Computer Science And Engineering in Mohan Babu University(CGPA-8.9)
- **2022**   12th in MPC from Chaitanya jr.collage Madanapalle(6.7%)
- **2020**   SSC in 10th from vidyodaya E.M School Madanapalle(9.8%)

Certifications

- **Time Management** - Springboard Infosys

- **Python Certification** - Springboard Infosys

- **SQL Certification** - Udemy

- **Java Full Stack Development Internship** – EduSkills

- **AI & Machine Learning Certification** – SkillEcted

Projects

DDoS Attack Detection in IoT Networks using Deep Ensemble Learning

- **Technologies**: Python, Machine Learning, Ensemble Learning, Network Security
- Successfully developed an ML-based detection system for network overload identification in IoT environments
- Implemented ensemble models including **Stacking and Voting Classifiers** to improve detection accuracy and robustness
- Combined multiple algorithms such as **Random Forest, Gradient Boosting, Naive Bayes, Logistic Regression, KNN, Decision Tree, and AdaBoost**
- Used **TPOT (AutoML)** to automate model selection and hyperparameter tuning, reducing manual effort
- Applied **model pruning techniques** to optimize performance for resource-constrained IoT environments
- Trained and evaluated models using **network flow features** like packet count, flow duration, and inter-arrival time

Student Performance Analyzer (Full Stack ML Application)

- **Technologies**: Python, Flask, Machine Learning, MySQL, HTML, CSS, JavaScript
- Developed a **production-style web application** to predict student performance outcomes using **Python, Flask, and ML algorithms**
- Implemented **secure user authentication** with role-based access control