

Chennamsetti Mahesh Babu

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EDUCATION

KL University

2022 - 2026

B.Tech, CSE

- **Achievements:** CGPA-8.03

INTERNSHIPS

Present

Python Full Stack developer virtual internship

- Engineered and deployed five distinct web applications, strengthening expertise in Python, Django/Flask, and frontend technologies.
- Built and integrated RESTful APIs, managing database interactions and user authentication efficiently.
- Optimized application performance and enforced best coding practices for full-stack development.

Data Engineering Virtual Internship

- Designed scalable database architectures to ensure high availability and performance.
- Addressed real-world data integration challenges, improving data quality and accessibility.

AI & ML Virtual Internship

- Developed and trained machine learning models for predictive analytics, classification, and clustering.
- Refined data preprocessing, feature engineering, and hyperparameter tuning techniques to improve model accuracy

PROJECTS

Online student grading system, Python Full Stack Development

Technologies: HTML, CSS, PostgreSQL, Python, REST APIs.

- Designed and implemented a scalable student grading system using Python (Django/Flask) and React, ensuring seamless user experience for teachers, students, and administrators.
- Engineered an engaging user interface using HTML and CSS
- Optimized database queries using PostgreSQL, reducing grade retrieval time from 3 seconds to under 1 second, enhancing system efficiency

E-commerce online shopping, Mern Stack Web Development

Technologies: React.js, Node.js & Express.js, MongoDB

- Designed a scalable backend system using Node.js and Express.js, capable of handling high traffic and concurrent transactions without downtime, ensuring a seamless shopping experience for users.
- Optimized database performance in MongoDB by implementing efficient indexing and caching strategies, reducing product retrieval times by 50% and improving overall system responsiveness.

Face Recognition for Attendance

Technologies: Python, Flask/Django, Scikit-Learn (KNN Classifier), Face recognition Library

- Designed and developed a real-time face recognition-based attendance system using Python, OpenCV, and machine learning techniques.
- Implemented the K-Nearest Neighbor (KNN) algorithm for efficient and accurate facial classification, achieving high recognition accuracy.
- Developed a robust backend using Flask/Django to handle user data, attendance records, and authentication securely.
- Integrated live camera functionality for real-time face detection and recognition, ensuring seamless user experience.

CERTIFICATES

- **Red Hat Enterprise Application Developer:** EX-183 Red Hat Enterprise Application Developer

SKILLS

- **Languages:** Java, C
- **Cloud Skills:** AWS Services (Lambda, S3 Buckets, CloudFront, API Gateway)
- **Course Work:** SQL, Data Structures and Algorithms, Object Oriented Programming
- **Python:** Full Stack Web Development, Database Management