Chinthapula Sharath Kumar

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EDUCATION

PARUL UNIVERSITY
B.Tech - Computer Science & Engineering with Artificial Intelligence
2021 -- 2025 | Gujarat, India
GPA: 7.43

NARAYANA JUNIOR COLLEGE
Senior Secondary Education
2019 -- 2021 | Telangana, India
GPA: 9.7

ALPHORES HIGH SCHOOL
Secondary Education
2019 | Telangana, India
GPA: 10.0

PROJECTS

MEDICAL DIAGNOSIS SYSTEM | JavaScript, Node.js, Express, MongoDB, Python, TensorFlow, Scikit-learn, Flask, Google Cloud

- Spearheaded the development of an AI-driven medical image diagnosis platform, analyzing over 50,000 images to detect critical conditions like brain tumors using state-of-the-art machine learning algorithms.
- Boosted diagnostic accuracy to 98.6% by refining machine learning models and optimizing neural network architectures, leading to faster and more reliable diagnoses.
- Orchestrated the management of patient data and diagnostic results, resulting in a 25% improvement in data accuracy and processing efficiency, while ensuring strict adherence to data privacy regulations.

RECIPE MANAGEMENT SYSTEM | Django, SQLite3, HTML, Bootstrap

- Led the design and deployment of a scalable Recipe Management System, enabling users to add, modify, and manage recipes with features to handle recipe names, descriptions, and images, resulting in a 30% improvement in user interaction efficiency.
- Streamlined the backend operations with Django, enhancing the system's performance and reliability, optimizing data retrieval processes by 40

FINANCIAL ANALYSIS TOOL | React.js, Node.js, JavaScript, Flask, MySQL, Chart.js

- Conceptualized and delivered a comprehensive Financial Analysis Tool, visualizing key financial data trends through dynamic charts and graphs, increasing decision-making efficiency by 30
- Enhanced data clarity and understanding by optimizing the visual representation of revenue streams and expense distributions, resulting in a 30% increase in stakeholder engagement and insight comprehension.

CERTIFICATIONS

- HackerRank - Python Certification
- HackerRank - SQL Certification
- NxtWave - Node.js Certification

SKILLS

PROGRAMMING
Web Development:
HTML • CSS • JavaScript • Node.js • Express.js • React.js • Bootstrap

Database & Cloud Services:
MongoDB • MySQL • AWS (CloudFront, EC2, S3)

Tools & Libraries:
Git • NumPy • Pandas • Scikit-learn

ACHIEVEMENTS

- Earned 4 stars in SQL and 5 stars in Python on HackerRank.
- Participant in the PU Code Hackathon organized by Parul University.
- Participated in the AI/ML MyOnsiteHealthcare competition organized by Parul University and won the consolation prize.
- Solved around 200 problems on LeetCode and HackerRank.

ACTIVITIES

- Active member of coding clubs and tech communities.
- Engaged in various coding competitions and hackathons.

COURSEWORK

Algorithms and Data Structures
Database Management Systems (DBMS)
Operating Systems (OS)
Object-Oriented Programming (OOP)
Computer Networks
Basic Machine Learning