Rohith Chippa

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EDUCATION

Grand Canyon University, Arizona, USA   **August 2023 - Present**
Master of Science in Data Science   GPA: 3.82/4.0
Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India   **July 2017 - July 2021**
Bachelor of Technology in Electronics and Communication Engineering   GPA: 3.26/4.0

SKILLS

Programming Languages:	Python (Pandas, NumPy, Keras, MatPlotLib),
	Javascript(ReactJs, NodeJs, ReactThreeFiber)
Technologies:	Machine Learning, Web Development.
Databases:	Oracle, MySQL

PROJECTS

Virtual gesture Recognition Using OpenCV and Machine Learning [Github]
- Developed a gesture control system driven by CNN for user interfaces promoting touchless interaction in places, like ATMs and medical facilities.
- Achieved 98.57% accuracy in classifying hand gestures, indicating the model effectively recognizes different gestures.
- Successfully integrated CNN model (using OpenCV) with a Tkinter GUI. This allows users to see a video stream, perform gestures, receive on-screen feedback, and for each gesture an action is assigned for contactless ATM interaction.
Technologies used: Python, TensorFlow, OpenCV, CNN.

Career Pilot [Github]
- CareerPilot is a web platform that links individuals looking for employment with companies seeking to hire. Job seekers have the opportunity to discover and submit applications for job openings while recruiters can post job listings and review submitted applications.
- Built with React for a user-friendly interface and Node.js with Express for powerful backend functionality.
- MySQL database holds data about users (such as job seeker profiles and recruiter information) job listings and job applications. CareerPilot uses JSON Web Tokens (JWT) to connect the front end and back end for authentication. JWTs act as digital keys that verify a user's identity when accessing protected resources on the platform.
Technologies used: ReactJS, ExpressJS, MySQL.

Web-based Inventory management system
- Implemented secure user authentication and role-based access control using React Router. Developed interfaces for product listing, inventory tracking, and management.
- Designed an admin dashboard to manage user activities, groups, shops, and invoices. Developed features for creating and managing invoices.
- Built functionalities for managing users and groups within the system.
Technologies used: ReactJS, Django.

WORK EXPERIENCE

Tata Consultancy Services Pvt. Ltd.   **Hyderabad, Telangana**
Developer   **August 2021 - May 2023**
- Developed APIs to integrate chatbot and Siebel CRM used to automate service request creation for customers.
- Developed APIs for the creation, approval, and closure of service requests.
- Designed and developed approximately 30 tables for Customer 360 and service request tabs using Oracle SQL. Utilized DBeaver for database management and querying.
- Collaborated with cross-functional teams to gather requirements and deliver solutions.
- Assisted in troubleshooting and resolving issues related to database and CRM integrations.

CERTIFICATIONS

- NPTEL Online Certification Programming, Data Structures and Algorithms using python.
- Responsive Web Design Certification freeCodeCamp.org