Bindusree Pothapi

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| Github: www.github.com/bindhusreepothapi

Profile

I am a highly motivated person with a passion for learning and a drive to excel. I have completed my bachelor of technology in computer science and engineering at kalasalingam University, I have demonstrated a commitment to academic excellence, leadership, and extracurricular involvement. I am dedicated to continuous improvement and seizing opportunities for growth. I am excited to leverage my skills and enthusiasm to make a positive impact at professional career

RECEIPT BILL ANALYZER (2025)

- Built a full-stack OCR web app that extracts and stores itemized data from receipt images using FastAPI, Pytesseract, and SQL.
- Integrated a Streamlit dashboard for dynamic analytics and visualizations, enabling users to track spending patterns and download summaries.
- Developed a responsive React.js frontend for a Receipt OCR Web Application, integrated with a FastAPI backend and deployed via Netlify for seamless user interaction.

- Tech: FastAPI, Streamlit, pytesseract, SQL, Netlify, React.js

BRAIN TUMOR DETECTION SYSTEM

- Built a Python-based ML pipeline to detect brain tumors using image processing and classification techniques.
- Developed an end-to-end ML pipeline using Python and OpenCV to detect brain tumors from MRI images with preprocessing, segmentation, and classification.
- Achieved high accuracy using Support Vector Machines and optimized the model with data augmentation and performance evaluation techniques.
- Tech: OpenCV, Scikit-learn, Matplotlib

BLOCKCHAIN FOR SECURE EHRS SHARING OF MOBILE CLOUD-BASED

E-HEALTH SYSTEMS

- Developed a secure, decentralized system for sharing Electronic Health Records (EHRs) using blockchain technology integrated with mobile cloud infrastructure.
- Implemented smart contracts to ensure data integrity, access control, and auditability of health records on the blockchain.
- Achieved **end-to-end secure data exchange** with reduced latency and increased transparency compared to centralized health systems.
- Tech used: Solidity, Ethereum (private testnet), IPFS, Android Studio, Firebase, AWS, SHA-256, AES, React Native

Education

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE ENGINEERING | MAY 2025 | KALASALINGAM UNIVERSITY |CGPA: 8.33

INTERMEDIATE | JUNE 2021 | FIITJEE JUNIOR COLLAGE | 93.6%

10TH CLASS | NARAYANA HIGH SCHOOL| CGPA: 9.8

Technical Skills

Languages: Python, Java, C

Web: HTML, CSS, SQL

Databases: MySQL, SQLite

Tools & Platforms: Git, GitHub, Jupyter Notebook

Certifications

Machine Learning – Coursera

Python Development – Udemy

Oracle Data Science Fundamentals

Soft Skills

Team collaboration, Problem solving, Quick learner, Attention to detail

Activities and Interests

Theater, environmental conservation, travel