Mohd Moiz Uddin

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Portfolio Website: https://moiz02.github.io/portfolio-website/ | https://github.com/moiz02

Education

Osmania University, Lords Institute of Engineering and Technology   *Expected graduation: July 2024*
Bachelor of Engineering, Computer Science and Engineering
GPA: 8.0/10
Coursework: Artificial Intelligence, Machine Learning, Software Engineering, DBMS, Operating Systems,
Data Structures and Analysis of Algorithms, Software Testing, Web Technologies, Computer Networks.

Work Experience

Delta Sigma Technologies
Data Science Engineer Intern   *May 2023*
- Worked on a machine learning project and built a model for loan approval prediction and integrated a user-friendly interface to facilitate interaction with the predictive system.
- Throughout this project, gained knowledge and hands-on experience in various data science concepts such as data analysis, data visualization, automation, feature engineering and data pre-processing.

CodeClause
Web Developer Intern   *June 2023*
- Worked on three captivating web development projects: Online Code Editor, Unit Converter and a Timer and Stopwatch.
- Throughout this period that provided me with valuable hands on experience, I dedicated myself to learning the fundamental languages of web development, namely HTML, CSS and JavaScript.

Projects

Project Loan Approval Prediction using ML Model, Internship Project 2023:
- Data Analysis: Conduct thorough analysis of applicant data including demographics, financial history, and credit scores to identify patterns and correlations.
- Model Training: Train a Decision Classifier model on preprocessed data, optimizing hyperparameters and structure to enhance accuracy.
- Performance Evaluation: Evaluate model performance using metrics like accuracy and precision, while providing transparency through visualization of decision-making processes.

Engineered a Line Following Robot Car (IOT), Hackathon HACK REVOLUTION 2023:
- Led the design and implementation of a line-following robot car project, overseeing hardware development, software algorithms, and sensor integration.
- Applied expertise in programming languages such as C/C++ and Arduino for microcontroller programming and sensor interfacing.
- Demonstrated strong problem-solving skills by resolving technical challenges related to sensor calibration, motor control, and algorithm optimization.
- Collaborated effectively with team members, contributing to a cohesive and productive working environment while fostering knowledge exchange and skill development.
- Applied machine learning techniques to optimize the CNN architecture, enhancing iris recognition accuracy and robustness.
- Leveraged knowledge of image processing algorithms to preprocess iris images effectively, ensuring high-quality data input for the CNN model.

Project Iris Recognition By CNN Model, Mini Project:
- The project focuses on developing an iris recognition system using Convolutional Neural Networks (CNNs) for security and authentication.
- Data collection involves acquiring high-resolution iris images, followed by meticulous preprocessing steps like normalization and segmentation to ensure data quality.
- A custom CNN architecture is designed and trained specifically for iris recognition, with parameters optimized to enhance recognition accuracy.
- Rigorous evaluation, including metrics such as accuracy, and visualization techniques for interpretability, ensures the system's reliability and effectiveness in diverse security applications.
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Extracurricular Activities

Active Member, Computer Society of India - LIET Chapter
- Engaged member of the Computer Society of India (CSI), I contributed to a dynamic community focused on advancing computer science and technology. Through participation in events and workshops, I engaged with peers to stay updated on industry trends and developments. My involvement in CSI enhanced my professional network and allowed me to contribute to initiatives promoting education and technological excellence.

Hackathons:
- Participated in KG REDDY IKARUS TECH FEST 2022
- Participated in HACK REVOLUTION 2023
- Participated in TECH FIESTA 2022

Skills

Programming Languages: C/C++, Python, Java
Web: HTML, CSS, JavaScript
Database tools: MySQL, MongoDB
Software: Jupyter Notebook, PyCharm, VS Code
Other: Machine Learning, Web Applications development