Nasir Khan

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Education

Forman Christian College University – Lahore   Aug'21- May'25

Bachelor of Science in Computer Science - CGPA: 3.55/4.0

Major Projects

Robotics Competition
- Developed a line-following car in Digital Logic Design course project
- Integrated sophisticated color sensing capabilities into the car's design
- Enabled the car to adeptly trace lines and tally encountered colors
- Merged principles of digital logic and sensor technology
- Showcased practical applications in hardware and software fusion
- Demonstrated the versatility of modern engineering projects

Motion Detection Cam Project
- Trained a machine learning model with a dataset of 200 guitar images
- Developed a system capable of swiftly identifying guitars in real-time camera feeds
- Demonstrated the prowess of image recognition algorithms
- Highlighted potential applications in augmented reality and automated inventory management
- Showcased the practical implementation of machine learning in diverse fields

Search Engine Project
- Developed a search engine in Data Structures and Algorithms project
- Implemented functionality to retrieve information and analyze word frequency from websites or URLs
- Utilized efficient data structures and algorithms for optimal performance
- Provided insights into word prominence for tasks like content analysis and SEO optimization
- Demonstrated the capabilities of intelligent information retrieval and analysis in the digital domain

Regression Analysis Stats Project
- Explored regression analysis in statistics project
- Investigated its intricacies and applications in data modeling and prediction
- Conducted meticulous data collection, analysis, and interpretation
- Gained insights into variable relationships and predictive capabilities
- Enhanced statistical skills and acquired valuable decision-making tools
- Demonstrated the practical application of empirical evidence in informed decision-making

Skills

- Experience with programming languages such as Assembly, Python, and R.
- Proficient in MATLAB for data analysis, modeling, and algorithm development.
- Skilled in R Studio for statistical analysis, data visualization, and programming.
- Possess strong analytical skills and extensive experience in SQL, enabling proficient data analysis and management tasks.
- Proficient in software development with experience in utilizing development tools such as Git.
- Intermediate proficiency in Linux systems administration and Oracle VirtualBox for virtualization and system deployment.
- Having experience with Lucidchart enhances proficiency in creating professional diagrams for various software engineering tasks.
- Demonstrate bachelor's level proficiency in communication and presentation, effectively conveying data insights to stakeholders.
- Ability to work collaboratively in a fast-paced and dynamic team environment.