Peerzada Zubair Ul Islam

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• Github

PROFESSIONAL PROFILE

Skilled Data Engineer with extensive experience in AWS, Python, and SQL, specializing in the development and optimization of scalable data solutions and efficient ETL processes. Demonstrated success in designing robust data pipelines, seamlessly integrating diverse data sources, and deploying advanced machine learning models to drive actionable insights. Proficient in creating automated workflows and optimizing data storage, resulting in significant improvements in data processing efficiency and reliability.

Adept at collaborating with cross-functional teams to develop innovative solutions that meet business objectives. Known for exceptional problem-solving and analytical skills, with a commitment to continuous learning and staying at the forefront of industry advancements. Dedicated to delivering high-quality results in dynamic, fast-paced environments, leveraging data-driven insights to enable informed decision-making and propel organizational success.

EXPERIENCE

Web & Mobile App Developer Intern
Ropar, PB
Trans Neuron Technologies, Pvt. Ltd.
Fab 2024 - Mar 2024

- Developed interactive web applications using JavaScript, enhancing user experience and functionality.

- Built the Dice Game, a dynamic game featuring random dice roll outcomes, improving skills in DOM manipulation and event handling.

- Created the Simon Game, implementing complex game logic and patterns to challenge users' memory, leveraging JavaScript and jQuery.

- Designed the Drum Kit, an engaging musical application allowing users to play different drum sounds with keyboard and mouse inputs.

- Developed the Myntra App Clone, replicating the design and functionality of a popular e-commerce site to gain experience in responsive design and API integration.

- Constructed the Todo App, a task management application with features for adding, editing, and deleting tasks, utilizing JavaScript for dynamic updates and local storage for data persistence.

Python Developer Intern
Gurugram, Hr
Aptron Solutions, Pvt. Ltd.
Jan 2018 - Fab 2018

- Developed a voice-based email service for visually challenged individuals allows users to access and use email through voice commands, using text-to-speech and speech-to-text technology. This type of service can improve the ability of visually impaired people to communicate and access information through email.
- Developed a calculator program created with TKinter allows users to perform basic arithmetic operations through a GUI with buttons and a display field. The program is designed with widgets, event handling functions, and a main loop to enable user interaction.

PROJECTS

Detection of Parkinsons Disease using VGG-16   Mar 2019 – July 2019
([Github](#))
- In this project we present a system for detecting Parkinson's disease using the VGG-16 network and transfer learning. The system allows users to submit hand-drawn images of spirals and waves, which are then trained and predicted using the VGG-16 network. If the user is found to have Parkinson's disease, the system provides medical and therapeutic information for further diagnosis. The system is evaluated on its ability to detect different directions during drawing movements, and it achieves the best results for the X and Y directions. The experimental results show that the system has an accuracy of 92.6%.

Implemented genetic algo to optimize the parameters of a trading strategy.   Jan 2023
([Github](#))

- A genetic algorithm is used to find the optimal set of parameters for a trading strategy by generating and selecting fittest chromosomes based on the profitability of trades made with the parameters, with a probability of mutation applied at each iteration.

PUBLICATIONS

Using Deep Learning Model (VGG-16) to Detect Parkinson's Disease. (**Verify**)
International Journal of Novel Research and Development.   **May 31, 2023**

Machine Learning in Energy: Enhancing Efficiency, Sustainability, and Grid Management. (**Verify**)
International Journal of Scientific Research in Engineering and Management   **Jun 11, 2023**

Machine Learning based approach for Pair Selection in Financial Institutions.
Scientific Press International Limited.   **Submitted**

EDUCATION

Islamic University of Science and Technology   Awantipora, J&K
B.Tech, Computer Science and Engineering   **2015 - 2019**

SKILLS

- **Hard Skills:** Python, NumPy, Pandas, PySpark, Scikit-Learn, Tensorflow, Data Structures and Algorithms, AWS, Docker, CI/CD, SQL, ETL Tools, MERN Stack, AI/ML.
- **Soft Skills:** Problem-solving and critical thinking, communication and presentation skills, collaboration, creativity and innovativeness, analytical thinking, leadership, decision making and strategic planning

CERTIFICATIONS

- **Certifications:** Python Programming (**Verify**)
  SQL from Scratch (**Verify**)
  AWS Solutions Architect Associate (**Verify**)
  MERN Stack Development