Zubair Peerzada

Data Analyst

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Profile

Github **:** https://github.com/zubairpeerzada7

Linkedin : https://www.linkedin.com/in/zubairpeerzada7

Work **:** https://zubairpeerzada.in/

Tableau **:** https://public.tableau.com/app/profile/zubairpeerzada7/vizzes

Experience

Enthusiastic Data Analyst with foundational SQL, Tableau, Excel, and Python skills. I have also gained exposure to HTML, CSS, JavaScript, and React.js. I am eager to apply my knowledge of data analysis and machine learning to turn complex datasets into meaningful insights. A quick learner with a passion for problem-solving, excited to contribute to data-driven decision-making and innovation.

My Data Analysis Process

My process is simple and often begins by understanding the problem and gathering relevant data. After cleaning and organizing the data, I use tools like SQL and Python to analyze patterns and trends. I then visualize the insights with Tableau or Excel, ensuring the findings are clear and actionable. My focus is on accuracy, efficiency, and aligning results with business objectives. Throughout the process, I prioritize accuracy, efficiency, and a keen attention to detail.

Web & Mobile App Developer Intern

Trans Neuron Technologies, Pvt. Ltd., Ropar, PB

(Feb 2024 - Mar 2024)

- Developed interactive web applications using JavaScript to enhance user experience and functionality.
- Created the Dice Game, a dynamic project involving random dice roll outcomes, improving skills in DOM manipulation and event handling.
- Built the Simon Game, incorporating complex game logic to challenge users' memory, utilizing JavaScript and jQuery.
- Designed the Drum Kit, an engaging musical app where users could play various drum sounds using keyboard and mouse inputs.
- Developed a Myntra App Clone, mimicking the design and functionality of the e-commerce site, gaining experience in responsive design and API integration.
- Built a Todo App, a task management tool that supports adding, editing, and deleting tasks, leveraging local storage for data persistence.

Python Developer Intern

Aptron Solutions, Pvt. Ltd., Gurugram, HR

(Jan 2018 - Feb 2018)

- Created a voice-activated email service for visually impaired users, utilizing text-to-speech and speech-to-text technology to enable email communication through voice commands.
- Developed a GUI-based calculator using TKinter, allowing users to perform basic arithmetic operations with an interactive interface and buttons, improving user interaction through effective event handling and GUI design.

Projects

Parkinson's Disease Detection using VGG-16

Mar 2019 – July 2019

[GitHub]

- Developed a system for detecting Parkinson's disease using the VGG-16 neural network and transfer learning. The system allows users to upload hand-drawn spirals and waves, which are analyzed by the model to predict the likelihood of Parkinson's disease.
- Integrated a feature that provides medical and therapeutic guidance for further diagnosis if Parkinson's is detected.
- Achieved a 92.6% accuracy by analyzing hand movement directions, particularly excelling in detecting movements along the X and Y axes.

Parameter Optimization for Trading Strategy using Genetic Algorithm

Jan 2023

[GitHub]

- Designed and implemented a genetic algorithm to optimize parameters for a trading strategy by simulating natural selection. The algorithm generates and selects the fittest chromosomes based on trade profitability.
- Incorporated mutation probability to introduce variability, enhancing the strategy's adaptability and effectiveness in dynamic market conditions.

Publications

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

- **Machine Learning in Energy: Enhancing Efficiency, Sustainability, and Grid Management**
  International Journal of Scientific Research in Engineering and Management
  June 11, 2023

- **Machine Learning-Based Approach for Pair Selection in Financial Institutions**
  Scientific Press International Limited

Education

B.Tech in Computer Science and Engineering

(Awantipora University 2015 - 2019)

Certifications

- Python Programming (Verified)
- SQL from Scratch (Verified)
- AWS Solutions Architect Associate (Verified)
- MERN Stack Development

Skills

Hard Skills:

- Data Analysis: SQL, Tableau, Excel, Python
- Programming: HTML, CSS, JavaScript, React.js, Node.js
- Cloud Platforms: AWS
- Data Expertise: Data Visualization, Statistical Analysis, Data Cleaning, ETL Processes, AI/ML

Soft Skills:

- Problem-solving & Critical Thinking
- Communication & Presentation
- Team Collaboration & Leadership
- Creativity & Innovation
- Analytical Thinking, Decision Making & Strategic Planning