

# 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

([Link](#))

- 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

([Link](#))

- 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** ([Link](#))  
International Journal of Novel Research and Development  
May 31, 2023
- **Machine Learning in Energy: Enhancing Efficiency, Sustainability, and Grid Management** ([Link](#))  
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 (Submitted)

# Education

## B.Tech in Computer Science and Engineering

(Awantipora University 2015 - 2019)

## Certifications

- Python Programming
- SQL from Scratch
- AWS Solutions Architect Associate
- 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