




Ritwik Raha

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Experience

- **PyImageSearch**
 - Mar 2022 - Present
 - Machine Learning Engineer responsible for reproducing research and authoring blogposts.
- **TCS**
 - Feb 2021 - Feb 2022
 - Machine Learning Engineer, responsible for training, deploying and maintaining a custom machine-learning model for trailer space optimization.

Education

- **Netaji Subhash Engineering College**
 - Bachelor of Technology: 2016-2020
 - Electronics and Instrumentation
 - Avg CGPA: 7.89
- **Sri Aurobindo Institute of Education**
 - Junior and High School: 2007-2016
 - ISC, 12th Standard – Percentage: 90.25
 - ICSE, 10th Standard – Percentage: 86.8

Technical Skills

- **Languages:** Python,SQL,JAVA,MATLAB,R
- **Developer Tools:** Git, PyCharm, VS Code
- **Libraries:** TensorFlow, pandas, NumPy, Matplotlib, PyTorch, ScikitLearn

Research

- **Causality Analysis of Emotional States from EEG Response**
 - A novel study of the feature elements in corresponding emotional EEG states to investigate the appearance of repeating or residual elements which serve as the foundation of memory or causality in EEG signals.
- **Medical Image Fusion using PCNN Optimized by Whale Optimization Algorithm**
 - A novel algorithm for the fusion of medical images using a modified Pulse Coupled Neural Network(PCNN) optimized by the Whale Optimization Algorithm(WOA).

Projects

- **Cerebro Visualiser**
 - Built an interactive web application to visualise EEG Data
- **GDG Kolkata Devfest 2019 App** - Design
 - Designed the UI/UX of the Devfest Kolkata Android App

Other Details

- Lead Designer at GDG Kolkata
 - 2017- 2020
- Member at TFUG Kolkata
 - 2020-2021
- Writer - I enjoy weaving thrillers and short stories