ARIJIT SINHA

PERSONAL PROFILE:

- Nationality : Indian
- Known Languages : Bengali, English, Hindi

Visit Me @

My Personal Portfolio Website
My GitHub
My LinkedIn

Check Me Out @:

Leetcode
Kaggle
GeeksForGeeks

Email me @:

**********@*****.com
************@*****.com

CAREER OBJECTIVE

To leverage my engineering and data science background to solve complex problems and strengthen analytics-driven decision making.

HOBBIES

- Exploring Bangla novels
- Watching football
- Reading pink papers

EDUCATION

- **Jadavpur University:** Bachelor of Civil Engineering, 70.71%, Class of 2023
- **Baranagar Narendranath Vidyamandir:** Higher Secondary (WBCHSE), 75.67%, Class of 2018
- **Baranagore Ramakrishna Mission Ashrama High School:** Madhyamik (WBBSE), 88.14%, Class of 2016

SKILLS

- **Programming/Scripting:** Python (Data Science/Automation), Java, C++, JavaScript (TypeScript), SQL
- **Data Intelligence:** Machine Learning, Reinforcement Learning, Statistical Modelling (PCA, VECM)
- **Computational Engineering:** Open Source Simulation, FEM/DEM/CFD, Geomatics (Remote Sensing/GIS), Monte Carlo Simulations
- **Web and Automation:** Automation and web scraping, MERN Stack, Next,js, API Integration

ACHIEVEMENTS

- Was part of team SAD Blitz; among the top 20 teams nationally at the Swiss Re Reimagine business case study challenge.
- Was part of team Daring Doers; one of the campus finalists at Polestar Data Fiesta 3.0, showcasing data-driven solutions.

PROJECTS

- **A stochastic geotechnical risk framework using FEM/DEM and Python to quantify the probability of failure of landslide prone terrains:** Used high resolution photogrammetry and remote sensing data to reduce uncertainty in infrastructure safety.

- **State Space Trajectory Using Principal Component Analysis:** Performed principal component analysis to compute components from an available dataset based on 64 neurons at the frontal lobe of a mouse.

- **Generative Design Framework Using Python and Genetic Algorithms to Automate Floor Plans under Structural Constraints and IS Code:** A finite element (FEM) vetting engine for structural validation and reducing manual scrutiny timelines.