AVIRUP CHAKRABORTY

Bachelor of Statistics (BSTAT), 3rd year
INDIAN STATISTICAL INSTITUTE, KOLKATA

EDUCATION

Undergraduate

Indian Statistical Institute

📅 2022 onward 📍 Kolkata

- Bachelor of Statistics
- Avg. Performance: 88.8 %
  (1st and 2nd Year)

Higher Secondary

Ramakrishna Mission Vidyalaya, Narendrapur

📅 2020-2022 📍 Narendrapur

- Stream: Science (Statistics as optional)
- HS Result: 96.6 %

Secondary

Sodepur High School

📅 2014-2020 📍 Kolkata

- MP Result: 96.3 %

ACHIEVEMENTS

- Secured Rank **228** in **WBJEE** (2022).
- Selected in admission test of Ramakrishna Mission Residential College, Narendrapur **(RKMRC).**
- Secured **24** rank in **ISI Entrance**.
- State rank in top **20** in **HS** and **MP**.
- Selected for **NMMS** and **INSPIRED** scholarship.

LANGUAGE

Bengali   English   Hindi

HOBBIES

- **Rubic's Cube** Solving
- Painting
- Watching Movies, TV series

PERSONAL INFO

📅 DOB : 📍 Khardaha, Kolkata
22/04/2004 West Bengal, India

📞 (+91) 9874656575

✉️ avirupchakraborty358@gmail.com

in https://www.linkedin.com/in/avirup-chakraborty-45006428b

PROJECTS

ACADEMIC

Under **Diganta Mukherjee,** Professor, SOSU Unit, ISI Kolkata

- **Data Analysis on returns data of popular stocks (2023)**

  Accessing Stock market data in R, univariate data analysis, checking relationship in returns fluctuations using quantiles, tail plots, parametric modeling, kernel estimation.

- **Introduction to Finance (2024)**

  Stocks, options, other derivatives, portfolio selection, asset pricing, Black-Scholes model etc.

Data Analysis on the Factors Affecting Car Price (2022)

A group project to analyse the **linear relationship** between different car features and car price. Comparison of **coefficient of determination (R^2)**. see now

Body Performance Analysis (2023)

A group project to fit **multiple linear regression mode**l to predict the body performance of athletes using the data on their health. A strategy to overcome the effect of missing values on datasets using **Simulation.** see now

Wordle Bot (2022)

A **probabilistic** model to give best possible guesses based on the previous hints while playing the popular game **wordle** using **Information Theory** and a working model of Wordle game. (I used HTML, CSS, Js and Python to make a **web application** link)

PERSONAL

- Making a personal website. (Still Working) Link
- A game in unity. (Still working)
- Game in pygame (Pong). GitHub

WORK EXPERIENCE

Preparing a performance report for district courts under the supervision of **CALCUTTA HIGH COURT** (2024). Collecting data on Disposal and Pending Cases from their server, measuring the Success rate and performances in each district, diagrammatic representations using pie charts, bar charts in **python plotly** and compiling everything in a report. Report link

SKILLS

- **Programming Languages:**
  Python, R, C, Js, HTML, CSS, Latex
- **Computer Softwares:**
  Excel, Word, PowerPoint, Blender, Unity
- **Interests:**
  Finance, Asset Pricing, Applications of Statistics, Machine Learning, Artificial Intelligence, Game Dev, Web dev