SUBHAM GHOSH

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EDUCATION

Master of Science, Indian Institute of Technology, Mandi — 2021 - 2023
Major in Physics(CGPA 7.84/10)

Bachelor of Science, Ramananda College, Bishnupur — 2018 - 2021
Physics(Hons)(CGPA 8.91/10)

12 Grade, Bhara D.D.K High School (WBCHSE Board) — 2016 - 2018
Physics, Chemistry, Mathematics, Biology (87 %)

TECHNICAL SKILLS

Computer Languages:	C, Python(Libraries - Pandas, NumPy, Matplotlib, SciKit-Learn), SQL
Computer Software / Tools:	Jupyter, PyCharm, Linux, Excel, GitHub
Skills:	Problem solving and analytical

PROJECTS

Student Performance Prediction Developed a machine learning model to predict student performance in mathematics based on various demographic and academic factors. The project includes data preprocessing, model training, and deployment as a web application. **Technologies Used:** Python, Pandas, Scikit-learn, Flask, AWS (Elastic Beanstalk, CodePipeline), Git. ↗

Car Sales Data Analysis and Prediction (Python) Employed Seaborn for exploratory data analysis, uncovering hidden quantitative relationships within the dataset.Utilized Matplotlib and Seaborn to visualize car sales trends, presenting histograms, count plots, scatter plots, and multi-subplot displays.Implemented linear regression models to predict car sales outcomes, enhancing accuracy through feature selection. ↗

ML on Materials Science Evaluation of multiple machine learning models on a Materials Science Dataset, assessing their accuracies and performance to drive informed decision making. ↗

Researched the effects of random interactions using the Fibonacci quasiperiodic sequence on Many Body localization Studied a disordered model involving spinless fermions with random repulsive interactions.Utilized exact diagonalization for finite systems to compute level spacing distribution and eigenfunctions statistics, aiming to identify MBL phase.MSc Project. ↗

Data Analysis using Microsoft Excel Conducted data analysis tasks using Microsoft Excel, including sorting, filtering, and data mining. Demonstrated proficiency in creating and managing data relationships through VLOOKUP and PivotTables, enabling efficient data retrieval

EXPERIENCE

Data Science Intern — Feb 2023 – Apr 2023
Yoshops.com

- Extracting and handling data from various file formats including JSON, PDF, DOC.
- Web data scraping utilizing libraries such as Beautiful Soup, auto scraper followed by comprehensive Exploratory Data Analysis to derive meaningful insights from it.

KEY COURSE TAKEN

- Data Science • Linear Algebra • Data handling and visualization • Statistical learning • Quantum Mechanics and Computing • Engineering Computation • Nano-manufacturing • General Relativity • Electronics • Engineering Economics

EXAM

- GATE Data Science and AI marks(52/100) (2024)