



Anant Kacholia

Roll No.:210150005

B.Tech - Data Science and Artificial Intelligence Engineering
Indian Institute Of Technology, Guwahati

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.27 (Current)	2021-Present
Senior Secondary	CBSE Board	84.6%	2021
Secondary	CBSE Board	91.0%	2019

EXPERIENCE

- Nobias Analyst India Pvt.Ltd..** Sep 2023 - Present
Machine Learning and Data Science Intern Remote
 - Developed a **Stock Recommendation System** to cater to a wide range of industries/sectors.
 - The system utilizes **regression analysis** and incorporates validation based on both **fundamental and technical analysis**
- Nobias LLC.** May 2023 - Jul. 2023
Machine Learning and Data Science Intern Offline
 - Dealt with **Classifier Models and Transformers** to **customise and fine-tune** them.
 - Performed **Data Scrapping and Preprocessing** for **historical financial Data ,Reports ,Articles etc..**
 - Performed **fundamental and technical analysis** for various sectors to **generate prediction heuristics** .
- WorldQuant LLC.** Nov 2022 - Present
Research Consultant Remote
 - Designed, back-tested, analyzed, and optimized alphas** (a combination of mathematical expressions, C.S. code, and configuration parameters used to make predictions about future movements of financial instruments)

PROJECTS

- JOSAA Data Analysis Portal** May. 2023
Prof. Debanga Raj Neog, IIT Guwahati Github
 - Made a Portal for users to explore the **analytics of the JEE Ranks Data** and **JOSAA Seat Matrix Data**.
 - Extracted and processed data** from the Jossa website, organized it within **MySQL databases** .Used **ChartJS** and deploying additional **analytical tools**, for **visualization and prediction** of valuable insights.
- Efficacy of Price Action Trading Strategies** Feb. 2023
Inter IIT Tech Meet 11.0, IIT Kanpur Github
 - Formulated a hypothesis to evaluate the **profitability of employing Price Action-Based** Strategies in the Indian equity markets and conducted **statistical testing** using methods like the **Bonferroni Test**.
 - Developed a **Low-Frequency Trading Strategy** and implemented **automated identification of price action signals**.
- Trading Assistant** Dec. 2022 - Present
DIY Github
 - Developed a **real-time trading Assistant** that employs self-developed **technical analysis strategies**, empowered by a **custom real-time strategy back tester**, to **identify promising market opportunities**.
 - Created a portfolio optimizer integrating **Modern Portfolio Theory, CAPM, FAMA French factors, volatility, Sharpe ratio**, advanced correlation techniques for robust portfolio allocation in Python.

POSITIONS OF RESPONSIBILITY

- Finance and Economics Club, IITG** June. 2022 - Present
Associate ,Core Team
 - Mentored** students for a DIY project released by club on **‘Stock Price Simulator using Random Processes’**.
 - Conducted a **Python for Finance workshop**, offering experience in **technical analysis using python**
 - Evaluated **Interviews** as a part of **club recruitment process** .

TECHNICAL SKILLS

Programming Python, C, C++*, R* **Web Technologies** HTML,PHP* **DB Management** MySQL **Data Analysis**

KEY COURSES

**Elementary proficiency*

- Mathematics:** Differential Equation, Discrete Maths, Statistical foundation of Data Science, Applied probability and random processes, introduction to optimization
- Computer Science:** Introduction to computing, Introduction to Data Science, Algorithms and Data Structure, Introduction to A.I., Python Programming, Database Management System, Introduction to Machine Learning
- Finance:** Foundation of Finance, Understanding Business and Corporate Finance, Quantitative Finance and Algorithmic Trading in Python,Introductory Options,

ACHIEVEMENTS

- Silver medalist** ,Inter IIT Tech Meet 12.0, IIT Madras Dec, 2023
- Global Winner**,Nobias Intercollegiate Investment Challenge April, 2023
- Gold medalist** ,Inter IIT Tech Meet 11.0, IIT Kanpur Feb, 2023
- Qualified with International Rank 2, National rank 1**,in WorldQuant BRAIN Global Alphathon Sep, 2022
- International rank 15 , National rank 3**,in WorldQuant BRAIN Global Alphathon Challenge Oct, 2022
- JEE Advanced Rank AIR 81**, (catogery persons with disability) 2021
- Selected for NTSE Scholarship**, (National Talent Search Examination) by Govt. of India 2019