



Rishabh Pandey

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B.Tech - Engineering Physics

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	6.53 (Current)	2022-Present
Senior Secondary	CBSE Board	91.40%	2021
Secondary	CBSE Board	94.20%	2019

EXPERIENCE

- WorldQuant** Apr 2023 - Present
Quantitative Research Consultant Intern Remote
 - Developed systematic trading algorithms (**alphas**) utilizing **quantitative methods** to exploit market inefficiencies across diverse asset classes and global markets
 - Conducted rigorous **10-year backtesting** on US market data, evaluating performance metrics including **Sharpe ratio**, turnover rate, returns, and correlation with other **alphas**

PROJECTS

- Social Media API** 2024
Self Project Github
 - Developed a **RESTful API** for a social network web application using **Express.js**, facilitating user interactions such as sharing thoughts, reacting to friends' thoughts, and managing friend lists
 - Integrated **MongoDB** with **Mongoose ODM** for efficient data management
 - Enhanced user experience with formatted timestamps using **JavaScript Date objects** and **Web APIs**
- Pairs Trading and Cointegration Strategy** Oct. 2023
Finance And Economics Club, IIT Guwahati Github
 - Identified cointegration** between stock pairs to develop a **market neutral strategy** based on **statistical arbitrage**
 - Made extensive use of **Z-Scores** to generate **trading signals** based on **mean reversion**
 - Backtested the strategy and assessed the portfolio performance along with comparison to a **benchmark index**
- Game And Auction Theory** Aug. 2023
Finance And Economics Club, IIT Guwahati Github
 - Conducted extensive **data analysis** and utilized **data visualization techniques** to gain insights into **game theory** or **auction theory** scenarios
 - Developed **quantitative models** for **strategic interactions**, enhancing decision-making and optimizing strategies

TECHNICAL SKILLS

- Programming:** C, C++, , Python, Solidity, HTML, CSS, TypeScript, JavaScript
- Tools/Framework:** Node JS, Express JS, Mongo DB, React JS, Pandas, Numpy * Elementary proficiency

POSITIONS OF RESPONSIBILITY

- Associate Cultural Secretary**, Disang Hostel, IIT Guwahati Apr. 2023 - Present
- Core Team - Defi and Blockchain, Quant**, Finance And Economics Club, IIT Guwahati Jun. 2023 - Present
- Campus Ambassador**, Jaguar Land Rover, India Jul. 2023 - Present

ACHIEVEMENTS

- GSSoC**, Selected as contributor for 2024 2024
- Codeforces, Specialist**, max Rating **1494**, Handle - **dungeon_master12**. 2023
- CodeChef**, max Rating **1673**, Handle - **pandeyy_r** 2023
- International Quant Championship, WorldQuant**, Stage 1, **Global Rank - 73**. Stage 2, **Global Rank - 136** 2023
- AlphaVerse Premier League, Alphagrep Securities**, **Rank 5** 2023
- Codechef Starters 134**, Secured **Global Rank 55** out of more than **30 Thousands** participants 2024
- Codechef Starters 124**, Secured **Global Rank 100** out of more than **32 Thousands** participants 2024
- Meta Hacker Cup 2023**, Round 1-Rank of **5,734th** out of **20,324** participants. Round 2 - Rank of **3,479** 2023
- Codeforces Round 867**, Secured **Global Rank 522** out of more than **24 Thousands** participants 2023
- Inter IIT Tech Camp, Technical Board IITG**, Secured **3rd Rank** in Quant Problem Statement 2023