Nitesh Srivastava

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EDUCATION

•**Indian Institute of Technology-Patna** — *July'20 - May'24 (Expected)*
Bachelor of Technology - Mechanical Engineering; CPI: 8.25 — Patna, India

EXPERIENCE

•**Resoenix Capital** — *June'23 - July'23*
Algorithm Developer Intern
 – Developed a sophisticated **pair trading model with a hedging strategy** and tested it under real market conditions.
 – Efficiently captured live data streams from multiple tickers through the IB TWS API using **multi-threading** techniques, enabling **concurrent analysis of multiple pairs**.
 – Conducted comprehensive **backtesting** using large historical tick-by-tick data to assess strategy performance.
 – Technologies used: Python, Jupyter Notebook, IB Trader Workstation, Rest APIs.

•**Willings Inc** — *March'23 - May'23*
Full Stack Developer - QOHS Team
 – Collaborated with a team of 4 members to manage and enhance **an app based in Japan**, serving **500+ users**.
 – Resolved various issues related to backend APIs for therapist search and phone number updates using **PHP**.
 – Optimized authentication process by using **Firebase** for Email verification resulting in a **30% reduction in response time**.
 – Deployed backend code to **AWS EC2** and frontend code to Netlify, ensuring a smooth production environment.
 – Created comprehensive documentation for code updates and app launches on the **Play Store** and **App Store** using Monaca Framework.
 – Technologies used: Docker, Vue.JS, MySQL, Firebase, PHP.

PROJECTS

•**GALK Lab Primary Selection Portal** — *February'23 – April'23*
JavaScript, ReactJS, Firebase, Redux, NodeJs, HTML/CSS
 – Developed the complete **Primary Selection Portal**, encompassing both the Admin and Candidate Sites.
 – Built a user-friendly screening form with diverse question types: single-choice, multiple-choice, and short-answer questions.
 – Implemented an interview scheduling portal featuring real-time calendar availability and booking updates.
 – Developed an admin portal for questionnaire management, allowing administrators to set questions for candidates.

•**Rust Crud API** — *September'22 – October'22*
Docker, Rust, Postgres, Postman
 – Created a robust Rust REST API for efficient user data management, enabling CRUD operations with PostgreSQL.
 – Ensured smooth deployment and resource optimization through Docker containerization, achieving seamless scalability.
 – Conducted rigorous API functionality testing using Postman.

ACHIEVEMENTS

- **Expert** on Codeforces (Max Rating: **1700**) | **Knight** on Leetcode (Max Rating: **2070**).
- Secured a **global rank of 92** in **Google Farewell Rounds A**.
- Secured a standing of 735 in Google Kickstart Rounds C and G 2022 among thousands of participants.
- Secured **Rank 1** in DSA Fortnightly -21 organized by Scaler Academy.
- Successfully completed IIT Kharagpur's **Summer of Quant** program, gaining insights into fundamental topics like **Stock Markets, Algorithmic Trading, Derivatives, and Machine Learning in Quantitative Finance**.
- Achieved an Indian Rank of **195** in **Meta Hackecup 2023**, securing a T-shirt from Meta.
- Selected for **Amazon's ML Summer School**, an exclusive program led by scientists and experts in ML at Amazon.

SKILLS SUMMARY

•**Languages**: C/C++, Python, JavaScript, JAVA, SQL, Rust
•**Relevant Courses**: Python Programming, Introduction to Data Science, Programming and Data Structures
•**Technical skills**: ReactJS, HTML/CSS, OpenCV, Docker, Git, Tensorflow, Redux, Matplotlib

SOCIETIES

- Admin of Chess Club of IIT Patna. Rated 1826 on lichess and 1527 on Chess.com.
- Served as **NCC Junior Cadet** in High School and received **A** Certificate.
- Served as **NSS Volunteer** in College Second Year and organised various public activities.