Shivansh Jaiswal

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Education

Indian Institute of Technology (IIT) Patna   *Patna, India*
B.Tech. in Computer Science and Engineering - CPI: 8.3   *November 2020 - May 2024 (Expected)*

Work Experience

Google India   *Bangalore, India*
Software Engineering Intern   *May 2023 - August 2023*
- Implemented **Log Fetcher API**, which is a tool to automate fetching of customer logs.
- Maintained a **Spanner** database which tracked user activity and imposed restrictions on the number of logs fetched. Most recent logs were stored on a distributed file system: **Placer** which acted as a cache.

Rubrik   *Bangalore, India*
Software Engineering Intern   *Jan 2024 - Present*
- Working on to improve performance of **datamover** by adding concurrency in **Amazon AWS S3 List API**
- Made detailed data to compare performance metrics of original version and new version of **datamover**. Improved the performance of List Source by nearly **100%**

TLE Eliminators   *Remote*
Teaching Assistant   *Nov 2022 - Jan 2023*
- Resolved queries regarding Data Structure and Algorithms and interacted with over **200+** folks
- Held many **live problem solving sessions**, where I demonstrated live algorithmic problem solving along with full implementation details.

Accomplishments

- **Codeforces**: Max Rating **2108 (Master)**. Ranked among top **100** coders in India. Profile Link: ***ShivanshJ***
- **Codechef**: Max rating - **2262 (6 Star)**. Profile Link: ***shivanshj***
- Secured **AIR 44** in **Meta Hacker Cup 2022.**, thereby, winning a T-Shirt
- Secured Global Rank **199** in **Google KickStart Round E 2022** amongst **12000+** participants.
- **Google CodeJam Round 1B 2021:** Qualified to Round 2 with Global Rank **1492** among **6700+** participants.
- **CodeCraft by IIIT Hyderabad:** Secured global rank **179** (under **100 AIR**), winning a T-Shirt.
- **Enigma 2022:** Secured global rank **63**, qualified to on-site competition.
- **CodeChef September Lunchtime 2021**: Secured Global Rank **9** among **4000+** participants.
- Qualified **NTSE'17: Stage 1 and 2.** Ranked among top **1000** out of more than **1** million participants.
- Achieved a spot in the top **1000** performers in the **UPSTSE Scholarship** initiative for X-class students.
- Secured an **All India Rank** of **2390** out of more than **0.17** million candidates in **JEE Advanced 2020.**
- Ranked amongst top **0.2** percentile out of more than **1.2** million candidates in JEE Main 2020.
- Qualified **KVPY 2020**. Secured All India Rank **105**

Projects

Time Series Analysis on Covid-19 dataset | Innovation Lab Project
- Prediction and analysis of **Covid-19** cases via models like **AR, ARIMA**
- Reduced the mean squared error to **0.02 %** by using **ARIMA** model with **Rolling Forecast**

FarmerX | HackItOut 2021
- **FarmerX** is a website dedicated to farmers as a part of **HackItOut 2021** group project
- Worked on developing front end design of the website using **HTML5, CSS3.**

Courses/Skills

- **Languages/Frameworks/Tools:** Go, C/C++, AWS S3, HTML, CSS3, SQL, DBMS, Python
- **Relevant Courses:** Data Structure, Algorithms, Database Management, Operating System,

Societies/Extra-Curricular Activities

- **NJACK:** Acted as a coordinator of the competitive programming community.
- Acted as a problem setter in **ByteRace 2022 (and upcoming ByteRace 2023)**, a prestigious Codeforces Contest which is a part of **Celesta**, the annual **TechFest** of IIT Patna.