

Sanyam Mittal

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Experience

Nexstem Cortex BCI | *Back End Developer Intern*

Feb 2021 - June 2021

- Refined the Django code flow by redesigning the code structure from scratch, thus improving the system's overall performance by 5%.
- Implemented Azure services with the system to enhance its authentication and data storage functionalities by 10%.
- Improvise algorithms of machine learning APIs for handling user specific hyperparameters via Django and azure blob storage by 25%.

DigiLocker - Govt of India | *Web Developer Intern*

Aug 2020 - Dec 2020

- Integrated python microservices to improve the efficiency of manipulation and validation of millions of data during database operations by 10%.
- Improved the authentication of large student data by integrating aadhaar verification api by 5%.
- Collaborated in a team of 5 developers to improve the database query handling the mapping of CSV data to schema by 15%.

Education

J.C. Bose UST, YMCA, Faridabd

Aug 2018 - Apr 2022

- Pursuing B. Tech in Computer Engineering

Oxford Public School, New Delhi

Apr 2017 - Apr 2018

- Class 12th - PCM

Skills

- | | |
|---------------------------------|--|
| • Programming Languages | Python, C++, JavaScript |
| • Frameworks and Library | Django, Flask, Pandas |
| • Databases | MySQL, MongoDB |
| • Tools | Git, Redis, Docker, Azure, AWS S3, Heroku, Postman |

Projects

Xunbao - Quiz Webapp | [Django](#) | [React](#) | [JWT](#) | [PostgreSQL](#)

[\[Link\]](#)

- Developed Back-End for a Web App Game which received 500+ participation that involves a set of questions/riddles and moves forward in a Treasure Hunt manner.
- Inculcated feature of Live Leaderboard for winner tracking and induced an anti-cheating mechanism.

Forest Fire Detection/Alarming System | [Django](#) | [Javascript](#) | [Redis](#) | [ML](#)

[\[Link\]](#)

- Developed the system which seamlessly detects fire with user uploaded image classification and satellite api and reduces the detection time from 4-5 hours to 10-15 minutes.
- The system alarms the nearby fire stations, users, emergency services and shows the path to the nearest help center.

Sanvi - Music Webapp using microservices | [Django](#) | [Flask](#) | [React](#)

[\[Link\]](#)

- Built music playlist recommendation microservice with caching to increase the efficiency upto 30%.
- Used Geodjango for spatial data of concerts in PostgreSQL and showed nearby concerts effectively.

Position of Responsibility

Manan - A Technosurge | *Session Head*

- Organized and made problems for competitive programming contests while gathering over 1000 participants.
- Conducted 10+ Sessions on various topics like Data Structures and Algorithms, Django, Python etc for club members.

Achievements

- Secured **AIR 132** and 867 globally in Google Hashcode Team.
- Rated **4 star at Codechef** - 1972 highest rating.
- Cleared ICPC national online contest and qualified for **ICPC Gwalior regionals** 2019.
- Won several intra **college programming contests** like CodeCadet, Codeathon and Codeshala among 200+ participants.