Sanyam Mittal

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Experience

Swiggy | *SDE*   **Jan 2022 - Present**
- Worked on **Home Page, Product details Page and My Orders page** module for InsanelyGood App. Worked on various microservices like Presentation layer and SF Backend, Widget Manager etc
- Worked on **Widget Manager microservice** that derives the dynamic layouts and widgets to show on Home, Category page
- Implemented **Razorpay downtime** cron to get payment downtime data and act accordingly with Payment discovery.
- Built many **Retool dashboards** and APIs for IT, Customer Care, and Operations teams.

Swiggy - SuprDaily | *SDE Intern*   **July 2021 - Jan 2022**
- Documented and upgraded Storefront microservice from **Django 1.9 to Django 2.1.8,** making code more fast and stable.
- Converted tests runner from depreciated Nose to Pytest and resolved errors for the same.
- Converted task services to **Python package**, deployed to AWS S3 for other teams and refactored old cron jobs.
- **Cached** top DB queries directly used by App for low latency. Thus increasing App performance by 5%.

Nexstem Cortex BCI | *Back End Developer Intern*   **Feb 2021 - June 2021**
- **Refined the Django code** flow by redesigning the code structure, 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%.
- Improvised algorithms of **machine learning APIs** for handling user-specific hyperparameters via Django and Azure blob.

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 with a team to improve the **database query handling** and the mapping of data to the schema by 15%.

Education

J.C. Bose UST, YMCA, Faridabad	B.Tech CS	**Aug 2018 - Apr 2022**
Oxford Public School, New Delhi	12th - PCM	**Apr 2017 – Apr 2018**

Skills

- **Programming Languages**   Python, C++, JavaScript
- **Frameworks and Library**   Django, Flask, Pandas
- **Databases**   MySQL, MongoDB, PostgreSQL
- **Tools / Platforms**   Git, Redis, Docker, Azure, AWS, Heroku, Postman, Datadog, Retool

Projects

Xunbao - Quiz Webapp | *Django | React | JWT | PostgreSQL*   *[Link]*
- Developed Back-End for a Web App Game which received **500+ participants** that involve 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 backend which seamlessly **detects fire** with user-uploaded image classification and satellite API.

Sanvi - Music Webapp using microservices | *Django | Flask | React*   *[Link]*
- Built a unique music playlist recommendation **microservice** with **caching** to increase efficiency by up to 30%.
- Used **Geodjango** for spatial data of concerts in PostgreSQL and showed nearby concerts effectively.

Achievements

- Secured **AIR 132** and 867 globally in Google Hashcode 2021. Rated **4 stars at Codechef** - 1972 highest rating.
- Cleared ICPC national online contest and qualified for **ICPC Gwalior regionals** 2019.
- Conducted 10+ Sessions on topics like DSA, Django, Python etc while being **Session Head** of Manan - Coding Society.