Avinash Yadav

Software Engineer at Innovaccer

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Experience

Innovaccer, Abu Dhabi

SDE II (Jan, 2023 - Present), **SDE I** (Oct, 2022 - Dec, 2022)   *October, 2022 - Present*

- As a part of the InLabs Team, I develop innovative applications for the **Healthcare Industry**. Tech: **Django Rest Framework, Next.js**. SaaS Applications Like Market Intelligence and Network Optimizer are designed and built to optimize Innovaccer's customer resources.
- **Latency Optimization** by 50% through code optimization and migrating Application from **Django to FastAPI framework**.
- In my current role in the Central team, I developed the third-party-repo-rule to **regulate packages via private artifactory**. This reduced **security vulnerabilities** by configuring **GitLab CI pipeline** by checking DockerFile and requirements file.
- I also automated the package upgrade process via **Mend Renovate**. These efforts resulted in a more **secure and efficient package management system** for organization.

Innovaccer, Noida

SDE I   *July, 2021 - September, 2022*

- Contributed to the development of **Innovaccer's first real-time application "AIMS" in partnership with Roche**, which is a single point solution for payers and providers for **acute infection visits** in the US healthcare system.
- Product is dependent on CDS Rules and subscription of **FHIR** resources. I also worked on subscribing resources from AidBox(FHIR server) for **real-time pipeline** team. Tech Involved: **Python, Django, Django REST framework**, Celery, **Postgres, Elasticsearch**, Redis, Docker, Argo CD.
- **Latency Optimization** by 20% through optimization of database **queries** and making **architectural** improvements.

Education

Indian Institute of Information Technology, Allahabad   ***CGPA - 8.5***

Dual Degree - Bachelor of technology & MBA (Information Technology)   *July, 2016 - June, 2021*

- Earned Award of **Merit Certificate (2nd Rank)**.

B.N.S.D. Shiksha Niketan, Inter College, Kanpur

Secured **8th rank** in Uttar Pradesh Madhyamik Shiksha Parishad.   *2012 - 2015*

- **12th: 92.8%, 10th: 95.17%**

Achievements

2020	**Product Hacks - IIIC**, 1st Runner up in Hackathon organized by IIITA Info Communication Incubation Center.		*Allahabad, India*
2023	**Qualified Graduate Aptitude Test in Engineering (GATE)**, Score- **461**, Computer Science		*Kanpur, India*

Academic Projects

Spark MovieLens

Github Repository

- An online Movie Recommendation System using content-based, collaborative approach using Flask, Apache Spark, and MLlib.

Smart City Map for Kumbh (Temporal City)

Github Repository | **Download** App

- Designed temporal city on top of google map using Android Studio, Firebase Database, and KML for geographic data visualization.

Skill Set

Technical Skills

- Area of Interest: Web/Mobile and Back-end Development, Algorithms and Data Structures, Artificial Intelligence, Machine Learning.
- **Python, Django, DRF, FastAPI, Next.js, C/C++, Java, Flask**, MySQL, Postgres, Elasticsearch, React, Redis, Docker, Argo CD.

Extracurricular Skills

- Facilitator - **Google's Explore ML Academy**, Google AI.
- Astronomer, Sketcher and Painter, **Coordinator and member (Fine Arts Society, IIIT Allahabad)**: Lead team of 25-30 members for 2 years and organized multiple events.