

# Avinash Yadav

SOFTWARE ENGINEER AT INNOVACER

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## Experience

### Innovaccer, Abu Dhabi

SOFTWARE DEVELOPMENT ENGINEER - II

October, 2022 - Present

- As a part of the InLabs Team, I develop innovative applications for the healthcare industry. Patient Incentives app is designed and built to promote patient wellness by collaborating with cross-functional teams to design scalable products. Optimized API response time 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

SOFTWARE DEVELOPMENT ENGINEER - 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. Technologies used: Python, Django, Django REST framework, Celery, Postgres, Elasticsearch, Redis, Docker, Argo CD.
- Achieved a 20% improvement in API response time by optimizing database queries and making architectural improvements.

## Education

### Indian Institute of Information Technology, Allahabad

BACHELOR OF TECHNOLOGY & MBA (INFORMATION TECHNOLOGY)

**CGPA - 8.5**

July, 2016 - June, 2021

- Earned Award of Merit Certificate.

### 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, FastAPI, Django REST framework, C/C++, Java, Flask, MySQL, Postgres, Elasticsearch, Docker, 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.