

Adarsh Tyagi *Senior Software Engineer*

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Profile

Highly skilled Senior Software Engineer with 4+ years of hands-on experience delivering scalable, high-impact solutions for AI-focused and FinTech teams. Expert in Python, backend API development (FastAPI, Flask), test driven development, database management (SQL, MongoDB), cloud platforms (GCP, AWS). Passionate about system design, clean code, automation, and continuous skill growth.

Education

2016/08 – 2020/11 **Bachelor Of Technology in Computer Science**
Roorkee, India *College of Engineering Roorkee*

Professional Experience

- 2024/06 – Present **Senior Software Engineer**
Noida, India *Ultimate Kronos Group*
 - Collaborate with cross-functional teams to design and develop scalable backend services utilizing Python, FastAPI, Flask, and Google Cloud Platform, driving the successful integration of generative AI into production systems.
 - Participated in the development and optimization of an end-to-end pipeline on GCP Vertex AI, automating model training and vector database (MongoDB) population to support high-performance, dynamic intent classification.
- 2023/08 – 2024/04 **Python Developer**
Mohali, India *Fitelo*
Independently developed and maintained robust Python ETL pipelines to automate extraction, transformation, and loading of business-critical data into SQL databases, ensuring high data integrity and timely availability.
- 2022/03 – 2023/07 **Full Stack Developer**
Gurugram, India *Monsoon CreditTech*
 - Developed end-to-end machine learning pipeline management services using Python, Django, and AWS SageMaker, enabling NBFC clients to automate data ingestion, preprocessing, and model-driven decision-making on banking datasets.
 - Built and maintained the Business Rule Engine (BRE) service, delivering robust frontend interfaces in Angular and REST APIs for automated decision logic execution, while architecting data schemas and backend components.
- 2021/02 – 2022/02 **Associate Engineer**
Remote *Nagarro*
 - Developed robust backend Python scripts for automating ETL processes and integrating third-party APIs, significantly improving operational efficiency and data pipeline reliability.
 - Collaborated directly with a Dubai-based telecommunications client, troubleshooting and resolving support tickets by building JavaScript automation tools and crafting advanced SQL queries for rapid issue diagnosis

Skills

Python Development (Django, FastAPI, Flask)

Databases (SQL, Mongo)

Frontend Development (HTML, CSS, JavaScript,
React)

Cloud Platforms (AWS, GCP)

Tools - Git, Docker, Jira, Confluence