

# Vishwam Thakore

Senior Software Engineer

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## EXPERIENCE

### Chubb Limited, Senior Software Engineer

July 2025 - Present

- Developed **FastAPI microservices** for Underwriter Plus project, that receives business details from the underwriting platform and provides summarized recommendations for underwriting.
- Implemented and maintained **kubernetes manifests for deploying the microservices**, performing pod monitoring, debugging, and scaling using kubectl.
- Designed and implemented a **model copy and scan pipeline to automate model scanning, encryption and copy** to the mounted drive for deployment.

### Dassault Systemès Solutions Lab, Senior Software Engineer

Dec 2022 - June 2025

- Developed **REST APIs for a Master Data Management (MDM) application** using Django REST Framework, enabling data curators to search, update, and enrich clinical trial study data for downstream applications.
- **Designed database schemas and defined API contracts** to implement complex business specific features within the MDM platform.
- Developed thorough **unit and integration tests** using Django's testing framework achieving high test coverage and ensuring reliability.
- Developed, optimized and deployed **data preprocessing & model training pipelines** using python libraries such as pandas, numpy, scikit-learn , and Snowflake SQL
- Implemented and maintained **kubernetes manifests for deploying the MDM application on AWS EKS**, performing pod monitoring, debugging, and scaling using kubectl.

### Freshworks Inc, Software Engineer – Machine Learning

Jan 2022 - Nov 2022

- Developed and deployed the **Alert Grouping microservice** (Python, FastAPI) that suggests similar alerts to reduce duplicate incident creation in Freshservice.

## SKILLS

### Languages

Python, Javascript, SQL

### Backend Development

FastAPI, Django, Flask,  
Unittest, Kafka, Event Driven  
Architecture

### Data Science Libraries

Scikit-Learn, Pandas, Numpy  
Matplotlib, Seaborn

### Databases

MySQL, PostgreSQL, SQL  
Server, Snowflake

### Frontend Development

HTML, CSS, AJAX, JSON

### Software Design & Concepts

Data Structures & Algorithms  
Object Oriented Programming  
Low Level Design  
High Level Design  
Design Patterns  
Concurrent & Parallel  
Programming  
Microservice Architecture

### Cloud Platforms & Tools

AWS, Docker, Kubernetes  
Git, Version Control

- Built **model retraining pipeline** to automatically fetch 3 months of customer alert data, train models per customer, and store model artifacts in AWS S3.
- Developed the **Insights API**, increasing customer adoption of the Alert Grouping service by 40% through clear visibility of benefits and metrics.
- Implemented data visualization dashboards and metric computation scripts to monitor performance and business KPIs of the ML microservice.

## Tata Consultancy Services, Software Engineer

*Apr 2018 - Dec 2021*

- Extensively leveraged **AWS ML services (Sagemaker, Lex, Comprehend, Recognition)** to develop proof-of-concept solutions for client-specific requirements.
- Implemented solution for **text summarization (NLP)** leveraging pre-trained transformer models for abstractive summarization and fine tuned it for client-specific data.
- Created **REST APIs with serverless architecture**, proficiently utilizing AWS services including API Gateway, Lambda, DynamoDB, S3 etc.

## EDUCATION

### National Institute of Technology, Kurukshetra — *B. Tech.*

P&I Engineering | CGPA:8.76/10 | 2013 -2017

### DAV Public School, Kota (CBSE) — HSSC (12th)

Percentage : 86.60% | 2013

### DAV Public School, Kota (CBSE) — SSC (10th)

CGPA : 10 | 2011

## ACADEMIC HIGHLIGHTS

- Secured an **All India Rank (AIR) of 12,122 in IIT-JEE (Advanced) 2013**
- Secured **98th percentile in Graduate Aptitude Test in Engineering (GATE 2020)** in Computer Science Engineering

## CERTIFICATIONS

**AWS Certified Machine Learning - Speciality**

**AWS Certified Developer Associate**

**AWS Certified Solutions Architect - Associate**

**AWS Certified Cloud Practitioner**