

# Omkar Phadatare

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## WORK EXPERIENCE

- AI/ML Engineer — SmartFlowsSept 2023 - Present
- Engineered **end-to-end Invoice Extraction ML model** processing unstructured data across multiple formats, deployed to **AWS S3** with automated Excel integration for streamlined client delivery.
  - Architected **Invoice Chatbot** leveraging **Generative AI** and **NLP** for natural language querying, enhancing data accessibility by 60%.
  - Designed **workflow automation pipelines** with **n8n-style orchestration**, integrating ML models with business processes for production-ready **MLOps** deployment.

## PROJECTS

- YouTube Sentiment Insights — NLP, MLOps, CI/CDGitHub
- Developed **end-to-end NLP solution** with custom **Sentiment Analysis model** packaged as **Chrome Extension**, enabling one-click comment classification for YouTube creators.
  - Implemented comprehensive **MLOps pipeline** with **DVC** for version control and **CI/CD** for automated deployment, ensuring production reliability and scalability.

- Movie Recommendation API — FastAPI, ML, MLOpsGitHub
- Deployed production-ready **Movie Recommendation API** using **FastAPI** and **Unsupervised Learning** (Clustering, Dimensionality Reduction) trained on Kaggle dataset with 50K+ records.
  - Architected real-time personalization engine analyzing user behavior patterns with scalable **MLOps pipeline** for efficient model serving.

- MargaRakshak — Android, Kotlin, Jetpack ComposeGitHub
- Built **real-time road safety Android application** using **Kotlin** and **Jetpack Compose**, integrating **Google Maps SDK** and **Geofencing** for proactive danger zone alerts.
  - Implemented GPS-based speed monitoring system with one-tap emergency response functionality, delivered under 48-hour hackathon deadline.

## EDUCATION

2023 - present	Bachelor's Degree at <b>VIT Bhopal University</b>	(CGPA: 8.03/10.0)
2022 - 2023	Class 12th Higher Secondary Certificate	(80.0%)
2020 - 2021	Class 10th Secondary School Certificate	(88.7%)

## TECHNICAL SKILLS

Programming Languages	Python, Kotlin, JavaScript, Java, C, C++
ML/AI Frameworks	TensorFlow, PyTorch, LangChain, LangFlow, LangGraph, Autogen
Cloud & DevOps	AWS (S3, Lambda, EC2), Azure, Docker, Docker Compose, GitHub Actions, DVC
Backend & Libraries	FastAPI, Django, Flask, scikit-learn, Pandas, NumPy, Pydantic, NLTK
Specializations	MLOps, Generative AI, NLP, Vector Databases, SQL, Data Analysis, MERN Stack