

SANIKA CHAVAN

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LinkedIn | Portfolio

EDUCATION

Deogiri Institute of Engineering and Management Studies
B.Tech Computer Science Engineering CGPA : 8.89

Aurangabad, Maharashtra
December 2021 - June 2025

EXPERIENCE

AI/ML Engineer Engineer | Pine Labs – Plural Product Team

Bengaluru | Feb 2025 – Present

- Designed and deployed **distributed backend services** in **Go and Python**, integrating AI/ML pipelines with production microservices to support high-scale merchant onboarding.
- Engineered a **GenAI-powered onboarding system**, reducing **merchant TAT from 2–3 days to under 5 minutes** by combining **LLM-based extraction (BERT, GPT)** with **API-driven workflows**.
- Built a **RAG-based Risk Assessment Agent** using **Firecrawl + LLMs**, automating compliance validation with **90%+ accuracy**, reducing manual review effort by **70%**.
- Optimized **document processing pipelines** (MAF, GST, AOA/MOA) via **transformer models, regex, and Postgres-backed storage**, achieving **98–99% field accuracy**.
- Deployed services **AWS Kubernetes** with **CI/CD**, enabling **scalability, fault tolerance, monitoring** services.

Artificial Intelligence Intern | AppsForBharat

Bengaluru | Aug – Nov 2024

- Developed and deployed the **AI Guruji Chatbot** in the **Srimandir app**, serving thousands of daily users with personalized, LLM-powered spiritual guidance.
- Designed and implemented **RAG pipelines**, achieving **95–97% retrieval accuracy** for scripture-based Q&A, significantly improving contextual response quality.
- Integrated **DifY framework** with **LLMs (Titan, BERT)** to manage multi-turn conversational flows.
- Built backend modules in **GoLang** with **Tencent Cloud services**, enabling low-latency API integrations features.

SKILLS

Programming Languages:

Python, GoLang, Java, JavaScript, SQL

Machine Learning & AI:

ML, DL, NLP, LLMs (GPT, BERT, Titan, Hugging Face), RAG, Gen AI

Frameworks & Libraries:

PyTorch, TensorFlow, Transformers, scikit-learn, LangChain, DifY

Data Engineering:

Data Preprocessing, Web Scraping, Vector Databases, Kafka, Postgres

Cloud & Deployment:

AWS, Google Cloud Platform (GCP), Tencent Cloud, Kubernetes, CI/CD Pipelines

Software Development:

Object-Oriented Programming, DSA, API Design & Integration, Distributed Systems

Collaboration & Practices:

Agile/Scrum, Git/GitHub, Cross-functional Teamwork, Technical Communication

PROJECTS / OPEN-SOURCE

Merchant Onboarding Automation - Online | Python, GoLang, Transformers, RAG, NLP

- Reduced merchant onboarding **TAT by 90% (2–3 days → under 5 minutes)** via an end-to-end **GenAI pipeline** integrated with production microservices.
- Trained and fine-tuned an in-house **BERT model** on **80–90 field MAF Excel files**, enabling accurate detection.
- Designed **RAG pipelines with OpenAI APIs**, achieving **98–99% accuracy** in extracting and validating fields from documents like **AOA, MOA, GST**.
- Deployed modules on **AWS with CI/CD**, ensuring scalability, monitoring, and reliable integration.

Risk Assistant AI Agent | Python, Firecrawl, Regex, BeautifulSoup, RAG, NLP, Requests

- Automated **merchant website compliance validation**, reducing **approval time by 40%** using **Firecrawl, LLM**.
- Extracted & analyzed **legal content (TC, privacy, refund)** with **Firecrwal**, achieving **90% detection accuracy**.
- Built a real-time **application** with AI-generated reports, cutting manual review time from **2–4 days to <1.2 hrs**.

SpoonShare | Flutter, Firebase, Google Maps API, Google Cloud, Android

- Secured global recognition, ranking in the **Top 3 worldwide** and **Top 2 in India** in Google Solution Challenge.
- Engineered a mobile app integrating **Google Maps** for real-time location tracking and **Firebase** for secure cloud.
- Implemented **Google Cloud APIs** to enhance app performance and scalability, supporting **5000+ users**.

HONORS & AWARDS

- **Competitive Programming & DSA Excellence:** LeetCode – 600+ problems solved, Contest Rating 1600+; GeeksforGeeks – Institute Rank 1, 300+ problems solved.
- **Winner of the Google Solution Challenge 2024:** Achieved global recognition by securing a top position among teams from 130+ countries, showcasing innovative problem-solving and delivering impactful solutions.
- **Guest Speaker and Student Mentor:** Delivered 30+ motivational sessions across colleges and tech communities.
- **1st Place - Best Innovation Team at TIFAN 2024 (SAE India):** For agritech innovation
- **1st Place at REVA Hacks 2024** for immersive tech among 1,500 teams.

POSITION OF RESPONSIBILITY

- Microsoft Learn Student Ambassador - Beta
- Event Management Lead, GDSC
- Women Techmaker Community Event Lead