Adarsh Maurya

Software Engineer — Backend Systems & Applied AI/LLM Engineering

adarshmsd1@gmail.com | 7071161116 | LinkedIn | GitHub | LeetCode

SUMMARY

Backend engineer (2+ yrs, Python/Django/PostgreSQL) transitioning into AI/ML engineering — fine-tuned transformer models, shipped a live RAG-powered product, and building a multi-agent orchestration system.

SKILLS

Backend & Systems: Python, Django, DRF, Odoo (ORM, Owl, QWeb), REST APIs, PostgreSQL, MongoDB, SQL, Celery, Redis
AI / ML / LLM: RAG pipelines, LangChain, LangGraph, Vector Databases, Transformers (BERT, GPT), NLP, Computer Vision, Scikit-Learn, TensorFlow, Keras, PyTorch
Data: Pandas, NumPy, SciPy, Power BI, Tableau, Statistics, Big Data
Languages & Fundamentals: C++, Python, Data Structures & Algorithms, OOPS, DBMS, Operating Systems, Computer Networks

EXPERIENCE

Software Engineer — Ksolves India Limited *Jun 2024 – Present | Noida, India*

- Built a data-import connector in Python and PostgreSQL that improved import performance by **90%**, used across multiple client deployments.
- Led client-facing delivery for multiple products end-to-end, from requirements through release.
- Specialized in Odoo development — ORM, Odoo Owl, JavaScript, and QWeb — for full-stack customization.
- **Recognized as Star Performer (Q1 2025) and Rising Star (Q3 2024, Q4 2025)** for sustained high-impact delivery.

Data Science Intern — Kiwi DS Consulting *Mar 2024 – May 2024 | Gurugram, India*

- Delivered client-facing insights through data analytics and ML models on consulting engagements.
- Built Python pipelines for data cleaning, transformation, and analysis.
- Wrote complex SQL queries and maintained real-time Power BI dashboards for stakeholder decision-making.

Software Engineer Intern — IIT Kanpur *Sep 2023 – Jan 2024 | Hybrid*

- Built virtual lab simulation applications spanning CSS, JavaScript, Figma, Vectary, Webflow, and jQuery.
- Fine-tuned the Helsinki-NLP/opus-mt-en-hi transformer model for English→Hindi simulation instructions, reaching **95%+ accuracy**.

Machine Learning Intern — iNeuron.ai *May 2023 – Jul 2023 | Remote*

- Built an end-to-end phishing-domain prediction system with a 4-person team, across 88,647 records and 111 features.
- Applied GridSearchCV hyperparameter tuning on a Random Forest Classifier, reaching **95.09% accuracy**.
- Deployed the trained model via a Flask service hosted on AWS Elastic Beanstalk.

Software Development Engineer Intern — Tigbar *Oct 2022 – Dec 2022 | Remote*

- Built custom middleware and tested REST APIs as part of a 4-person Django (DRF) backend team.
- Ran load testing with Locust, improving API response times by **35%**.
- Shipped share-links and fixed blocked-user bugs, contributing to a 20% lift in daily active users.

PROJECTS

ArshMind — *Live product · RAG + Gemini AI · Firebase / Render / Node.js*

- Production web app integrating Gemini AI with a RAG pipeline, deployed on Firebase (frontend) and Render (backend).
- Implemented Dodo Payments checkout, webhook handling, and payment-status tracking end-to-end.

Pacific Mind Teams — *Multi-agent system · React, Three.js, TypeScript · Ongoing*

- Built a Supervisor → Writer → Auditor → Publisher multi-agent orchestration system backed by the Gemini API, with a real-time 3D (Three.js) visualization of agent delegation.
- Currently extending with a RAG layer (vector DB) and a LangGraph-based orchestration refactor.
- Designed a shared **AgentNode** state machine with typed delegation-task instructions and a consecutive-turn safety cutoff to prevent runaway agent loops.

LinkPad — *Academic project · Django, ReactJS, NLP*

- Built an alumni portal with a bi-directional RNN fake-information classifier exceeding **92% accuracy**.
- Shipped 10+ features: profiles, job/internship matching, content recommendation, chatbot, and analytics.

Workstation — *Personal project · Django, DRF, PostgreSQL, TailwindCSS*

- Building a founder-collaboration platform with a DRF REST API and PostgreSQL data layer for project planning and execution.

Anti-Doping WebApp — *Smart India Hackathon 2022 · Backend Developer · Django, DRF, MongoDB*

- Built for the Ministry of Youth Affairs & Sports, Government of India — REST APIs for drug search, multi-language support, and a chatbot + video-conferencing module.

ACHIEVEMENTS

- **1782** LeetCode rating — top 8% globally; 1200+ DSA problems solved across LeetCode, HackerRank, GFG, and Codeforces.
- **Rank 2** among 50,000+ students, PW Data Science Masters program; All-India rank 5646, GATE DS 2025.
- Presented an AI/ML-in-education startup concept at IDE Boot Camp 2023, NITTTR Chandigarh, Ministry of Education, Government of India.

EDUCATION

B.Tech, Computer Science and Engineering — IET Bundelkhand University *Dec 2020 – May 2024*
CGPA: 8.39 | Jhansi, India