

TARUN KUMAR

Associate Software Engineer

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Summary

Experienced professional transitioning from **Full Stack** and **Backend Development** to **AI/ML Engineering**. Bringing 2+ years of expertise in backend engineering and full stack development with transferable skills in scalable **RAG-based architectures**, **NLP**, and **cloud-native solutions**. Proven ability to develop **production-grade AI-powered systems** that improved automation accuracy by over **90%**, and eager to contribute to the AI/ML industry with innovative, scalable, and impactful solutions.

Education

CDAC, Mumbai

Aug 2024 – Jan 2025

Dr. A P J Abdul Kalam Technical University, Ghaziabad

Aug 2019 – Jul 2023

PG-Diploma in Big Data Analytics

B.Tech in Computer Science Engineering

Technical Skills

Languages:	Python, Java, JavaScript, SQL, C, Bash
Frameworks/Lib:	Django, FastAPI, Flask, TensorFlow, PyTorch, Scikit-learn, LangChain, Hugging Face Transformers
NLP/Embeddings:	spaCy, nltk, SentenceTransformers, FAISS, Prompt Engineering
Cloud/Databases:	MySQL, PostgreSQL, MongoDB, AWS (Lambda, S3, Glue, SageMaker, EC2), Azure
Tools:	Docker, GitHub Actions, Jenkins, n8n Workflow, Jupyter Notebook, VS Code
Frontend/Visualization:	React.js, Tailwind CSS, Material-UI, BeautifulSoup, Selenium

Experience

Oodles Technologies Pvt. Ltd.

Associate Consultant L2 - Backend (AI/ML)

Jan 2025 – Present

Gurugram, Haryana

- Worked on enterprise **AI/ML platforms** and **RAG-based chatbots** using **Python**, **Django**, **React.js**, **LangChain**, and **FAISS**, delivering scalable, production-grade solutions.
- Collaborated with cross-functional teams, managed client interactions, and implemented secure APIs for seamless frontend-backend integration.
- Ensured timely delivery of critical projects, mentoring junior developers, and maintaining high-quality coding standards.

MediaTech Temple

Full Stack Developer (AI/ML)

Jul 2023 – Aug 2024

Jaipur, Rajasthan

- Developed enterprise **RAG-based AI assistants** and interactive dashboards using **Python**, **Django**, **React.js**, **LLaMA**, **FAISS**, and **SentenceTransformers**, focusing on semantic search and intelligent query handling.
- Coordinated with clients, delivered end-to-end solutions, and optimized workflows integrating **NLP pipelines** (**nltk**, **spaCy**) and embeddings.
- Built responsive frontends with **Tailwind CSS** and **Material-UI**, while maintaining high standards of code quality, documentation, and performance.

Key Projects

Real Estate CRM Panel | Live Link | GitHub

Apr 2025 – Oct 2025

- **Tech Stack:** **React.js**, **Django**, **Python**, **MySQL**, **VectorDB**, **LangChain**, **OpenAI**, **FAISS**, **Selenium**.
- Engineered an **AI-driven Real Estate CRM system** to automate property verification, ownership validation, and land record insights for a Swiss client.
- Automated manual land ownership verification with **>90% accuracy** using AI, solving a key industry challenge.
- Developed an **AI-powered RAG-based chatbot** integrating **Selenium**, **BeautifulSoup**, **LangChain**, **OpenAI**, and **FAISS** for intelligent recommendations.

Placement Prediction System (AWS + ML) | GitHub | Use AWS credits

Oct 2024 – Dec 2024

- **Tech Stack:** **Streamlit**, **AWS Lambda**, **AWS S3**, **AWS Glue (Apache Spark)**, **Amazon SageMaker**, **Jupyter**, **Python**.
- Developed a **serverless placement prediction system** using **AWS Lambda** → **Glue** → **SageMaker**, reducing shortlisting inefficiencies by **90%**.
- Built **ETL pipelines** in **AWS Glue (Apache Spark)** for preprocessing and structuring academic datasets for model training.
- Trained and deployed a **binary classification model** on **AWS SageMaker** to predict placement outcomes and deliver actionable insights.

Achievements

- Received **Best Developer Award** for delivering AI solutions ahead of deadlines.
- Achieved **95% client satisfaction** for innovative automation solutions.