

PROFESSIONAL SUMMARY

Innovative **Full Stack AI Developer** with 5+ years of experience designing and deploying **Generative AI, LLM-based, and end-to-end web solutions**. Specialized in **Retrieval-Augmented Generation (RAG), Agentic AI systems, NLP, and cloud-based full stack development** using **Python, FastAPI, React, Docker, and AWS**. Proven success in building intelligent chatbots, data automation tools, and AI-driven business solutions that improve efficiency and accuracy by up to **50%**. Passionate about leveraging **LangChain, LlamaIndex, and Vector Databases** to create scalable, production-grade AI systems.

TECHNICAL SKILLS

AI & ML: RAG, Agentic AI, PEFT, Supervised/Unsupervised Learning, Deep Learning (CNN, RNN, LSTM, GRU), Transfer Learning
NLP & LLMs: LangChain, LlamaIndex, OpenAI API, Transformers, Word2Vec, TF-IDF, NER, OCR, Sentiment Analysis
Languages & Frameworks: Python, FastAPI, Flask, Django, React.js, Redux, JavaScript (ES6+), TypeScript
Databases: MySQL, SQL Server, VectorDB, PostgreSQL
DevOps & Cloud: Docker, AWS, REST APIs, GitHub Actions, CI/CD Pipelines
Data Tools: Pandas, NumPy, Power BI, Matplotlib, TensorFlow, PyTorch
Development Practices: Agile/Scrum, Jira, TDD, Microservices Architecture
OS: Windows, Linux

PROFESSIONAL EXPERIENCE

Since June 2023	<div>AI Developer</div> <div>Epicenter Technology Mumbai</div> <ul style="list-style-type: none">Led design and deployment of HRMS chatbot using LLMs (OpenAI, Llama 3) integrated via FastAPI, improving HR query resolution efficiency by 50%.Enhanced chatbot intelligence using RAG pipelines, LangChain agents, and domain adaptation for personalized responses.Deployed Generative AI document assistant with agentic workflow automation, reducing manual HR operations by 40%.Integrated bots with Microsoft Teams, WhatsApp, and Telegram, automating company-wide communication processes.Implemented custom fine-tuning and PEFT strategies to boost LLM accuracy and reduce latency by 30%.Designed scalable backends using FastAPI and Dockerized deployments on AWS EC2, ensuring high availability and secure access.
From April 2021 to June 2023	<div>Software Developer</div> <div>Parascadd Pvt. Ltd. Mumbai, MH, India</div> <ul style="list-style-type: none">Developed and deployed data-driven dashboards using Django + React + Power BI, improving real-time decision-making for project managers.Created AI-powered email classification and invoice extraction systems using OCR + NLP + NER, automating document workflows.Designed policy extraction AI tool leveraging Deep Learning + Named Entity Recognition, reducing manual review time by 70%.Collaborated with cross-functional teams under Agile methodology to enhance product scalability and user experience.Built RESTful APIs and backend integrations for large-scale industrial projects in Oil & Gas, Infrastructure, and Finance sectors.
From June 2019 to February 2020	<div>Data Scientist Intern</div> <div>Cognifront Pvt. Ltd. Nashik, MH, India</div> <ul style="list-style-type: none">Supported predictive modeling and analytics projects using Python, R, and Scikit-learn for educational data insights.Assisted in developing prototypes for data visualization and student performance prediction models.Applied statistical analysis and data preprocessing to ensure model reliability and reproducibility.

PROJECTS

1. Generative AI HRMS Chatbot (Langchain + LlamaIndex + FastAPI + Teams Integration)
Objective: Automate HR operations, employee query handling, and document generation using a Generative AI-based chatbot.
Tech Stack: Python, FastAPI, LangChain, LlamaIndex, OpenAI GPT-4, ChromaDB, React, Docker, Microsoft Teams API
Contributions:

- Designed and implemented a **Retrieval-Augmented Generation (RAG)** pipeline using **Vector Databases (Chroma)** for policy-based question answering.
- Integrated **Agentic AI layer** using LangChain agents to fetch and reason over confidential employee data securely.
- Built **document automation modules** generating payslips, letters, and policies using LLMs.
- Deployed the chatbot via **FastAPI** and integrated it with **Microsoft Teams**, enabling instant HR query responses.
- Resulted in **50% faster employee resolution time, 40% reduction in manual HR effort**, and improved internal engagement metrics.

PROJECTS

2. Asnan Healthcare Chatbot (NLP + Multi-language Support)

Objective: Develop a multilingual medical assistant for patient queries and appointment scheduling.

Tech Stack: Python, Flask, FastAPI, NLTK, Word2Vec, React, Google Translate API

Contributions:

- Implemented **intent classification** and **NER** to understand medical queries accurately.
- Integrated **multi-language support** (English, Hindi, Arabic) to expand accessibility by **3x**.
- Enabled real-time appointment booking via backend API integration with hospital systems.
- Deployed on **Docker** with load balancing for high availability.

3. Invoice & Policy Extraction System (Deep Learning + OCR + NER)

Objective: Automate structured data extraction from invoices and contracts.

Tech Stack: Python, TensorFlow, Tesseract OCR, SpaCy, Pandas

Contributions:

- Developed **OCR pipelines** for key field extraction (vendor, total, date, invoice no.).
- Applied **NER models** to extract clauses like indemnity and termination from policies.
- Achieved **92% accuracy** and reduced document review time by **70%** across departments.

4. AI-Powered Email Classification System

Objective: Prioritize and categorize emails automatically for faster team response.

Tech Stack: Python, Scikit-learn, TF-IDF, Naïve Bayes, FastAPI, Power BI

Contributions:

- Engineered machine learning pipeline for **text vectorization and classification**.
- Deployed REST API to integrate email insights with **Power BI dashboards**.
- Reduced SLA breaches and improved response rate by **35%**.

5. Analytical Dashboard Platform (Full Stack BI Solution)

Objective: Develop project-level dashboards for performance tracking across functions like cost, risk, and safety.

Tech Stack: Django, React, Power BI, SQL Server, Pandas

Contributions:

- Built responsive dashboards for **KPI visualization** across multiple domains.
- Automated ETL pipelines to extract and transform data from project systems.
- Enabled **real-time monitoring** and improved reporting efficiency by **45%**.

EDUCATION

From June 2016 to June 2019	● Information Technology S.N.J.B's K.B.J. College of Engineering, (Savitribai Phule Pune University) Chandwad
From June 2014 to June 2016	● Computer Technology S.H.H.J.B.Polytechnic College (MSBTE) Chandwad

CERTIFICATION

1. Python for Data Science.
2. Stats for Data Science.
3. Data Science Architecture.
4. Power BI Masters.
5. Mastering Generative AI with OpenAI, LangChain, and LlamaIndex.

LANGUAGES

English (Fluent) | Hindi (Native) | Marathi (Native)