



PRITI MALAKAR

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LOCATION: Mumbai, Maharashtra

Full stack Developer (Python + React) | AI Engineer | AWS



PROFILE SUMMARY

- ❖ Results-driven **AI and Full Stack Engineer** with **6+ years of experience** in developing **scalable web and AI-powered applications**
- ❖ Specialized in **Python (Django, FastAPI, Flask), PHP (Laravel)** and **React** for robust end-to-end development.
- ❖ Experienced in **AWS cloud services, CI/CD automation**, and containerized deployments using **Docker** and **Jenkins**.
- ❖ Proficient in **Generative AI, LLMs, Agentic AI, RAG pipelines**, and **MCP Server integrations**
- ❖ Recognized for **optimizing performance**, enhancing security, and driving innovation through AI-assisted automation and cloud-native solutions.
- ❖ Proven ability to deliver **high-impact, reliable results**.



CORE COMPETENCIES

Artificial Intelligence.

Frameworks & Tools

Programming & Scripting.

Frontend & Backend.

AWS & Cloud

Payment Gateways.

CI/CD & Automation

Database Management

Deployment & Integration.



PROFESSIONAL CERTIFICATIONS

- ❖ **The AWS Certified Cloud Practitioner**
- ❖ **AI Agents & AI Automation (Develop AI Agents) - Udemy**
- ❖ **Gen AI and Agentic AI at scale (Deploy AI to AWS, GCP, Azure, Vercel with MLOps, Bedrock, SageMaker, RAG, Agents, MCP: scalable) - Udemy**
- ❖ **React Certified Developer (Building dynamic user interfaces with React): Coursera.**
- ❖ **Full Stack Certified Developer**
- ❖ **Mega Python (Master Pandas, NumPy, Machine Learning, AWS Services, GraphQL and API Development) - Udemy**



EDUCATION



2016 - 2019: BCA from Veer Narmad Gujarat University



CAREER TIMELINE

2019-
2022

Techno
Tech

2022-
2023

Doyenhub
Solution

2023-
2024

Crest info
Solution

2024-
Present

Capgemini



WORK EXPERIENCE

May'24- Current | Capgemini | Backend & Full Stack Developer | Navi Mumbai

Key Result Areas:

- ❖ Developed **Generative AI workflows** and **LLM Agents** using **Crewai, LangChain**, improving accuracy 35%
- ❖ Built **RAG pipelines** with embeddings and **vector databases**, reducing hallucinations in AI Agents.
- ❖ Developed a **full-stack web application** with a **Django backend** and **React.js frontend**, implementing secure **JWT and OAuth 2.0 authentication**. Integrated **data extraction, transformation, and visualization workflows** using **NumPy** and **Matplotlib** to generate analytical insights and improve user decision-making.

- ❖ Built interactive, dynamic web applications using **React.js**, leveraging modern features such as **Hooks, Context API, Redux**, and component lifecycle methods to manage state and optimize performance.
- ❖ Designed and maintained **ETL pipelines** and real-time data processing workflows on AWS, utilizing **AWS Glue, Lambda, Athena, and S3** for structured and semi-structured data management.
- ❖ Integrated **Amazon Redshift** for analytics, optimizing SQL queries and table designs for performance.
- ❖ Implemented **CKEditor5** and TinyMCE rich-text editors into custom CMS solutions to support content creation with advanced formatting features.
- ❖ Established **CI/CD pipelines** using **GitHub Actions** and **AWS Code Pipeline** for automated testing and deployment, contributing to a fully agile SDLC.
- ❖ Collaborated in daily stand-ups & sprint planning meetings, driving features to completion within **Agile Scrum**.

Jul'23-May'24 | Crest Infosystems Private Limited | Software Developer

Key Result Areas:

- ❖ Built and optimized **high-performance async APIs** with **FastAPI**, enabling **ML model serving**, modular design, and smooth integration with external microservices in a **modern cloud-based architecture**.
- ❖ Managed cloud infrastructure on **AWS**, including services like **S3, Lambda, and EC2**, to improve data accessibility and enforce strong security protocols.
- ❖ Implemented **CI/CD** pipelines using docker, automating testing and deployment workflows, which significantly reduced the time-to-market for new features.

Mar'22-Jun'23 | Doyen hub Software Solution | Software Developer

Key Result Areas:

- ❖ Developed robust web applications with the **Laravel** PHP Framework, delivering solutions to meet client needs.
- ❖ **Linux system administration** skills, **managing server** & configurations to maintain operational uptime.
- ❖ Streamlined backend operations of **batch processing**, significantly improving efficiency in data management
- ❖ **Integrated Single Sign-On (SSO)** for user authentication and improve security and user experience
- ❖ Developed a **Python-based PDF extraction module** using **PyPDF2 and NumPy** to process structured data, integrated with a **React.js** frontend enabling real-time preview and intelligent form auto-filling.

Dec'19-Jan'22 | Techno Tech India | Software Developer

Key Result Areas:

- ❖ Excelled in developing clean, efficient, and sustainable code, showcasing advanced proficiency in the **Laravel framework**, and contributing to the **core product development**.
- ❖ Committed to high **code quality standards**, adhering to company-set **benchmarks and industry-wide best practices**, resulting in reliable and maintainable code bases.
- ❖ Developed and integrated **RESTful APIs**, facilitating seamless data exchange and expanding the **application's integration capabilities with external services**

TECHNICAL SKILLS

Category	Technical Skills / Tools
Programming & Scripting	Python (Django, FastAPI), PHP (Laravel), Shell
Artificial Intelligence	Generative AI, Large Language Models (LLMs), AI Agents and MCP Server.
Frameworks & Tools	Crewai, LangChain, FAISS, LangGraph, OpenAI APIs and Transformers.
Frontend	React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Redux
Cloud	AWS (EC2, RDS, IAM, Lambda, Load Balancer, Auto Scaling, CloudWatch).
DevOps	Linux, and Docker
CI/CD & Automation	Azure DevOps, Git, GitLab, GitHub Amazon Q, GitHub Copilot
Database	Relational – MySQL, PostgreSQL NoSQL – MongoDB
Payment & Gateways	Stripe, RazorPay, PayUMoney

Refer to the Annexure for the projects below

ANNEXURE

AI-Powered Knowledge Automation System

Tech Stack AWS Bedrock· LangChain · RAG Pipeline · FAISS

- ❖ Developed an end-to-end intelligent automation system leveraging **Generative AI and RAG architecture** to enhance contextual understanding, **multi-agent collaboration**, and enterprise **knowledge retrieval** efficiency
- ❖ Built Bedrock Agent integrating Claude Sonnet LLM and RAG pipeline, improving retrieval accuracy by 30%.
- ❖ Integrated MCP Server with LangChain, reducing response latency by 25% and enabling multi-agent workflows

Voxtur Verify (Prop Tech)

Tech Stack: React, Advance Django, MongoDB, AWS (IAM, EC2, VPC, S3)

- ❖ Designed and developed an advanced **Django-based system** to **authenticate property transactions** by consolidating buyer information with **official records**, including **credit scores**, to deliver accurate and trustworthy property
- ❖ **Integrated React-based dynamic frontend** to deliver seamless user experience for property verification workflows, enabling real-time data visualization and responsive UI components.
- ❖ **Implemented secure AWS infrastructure** using IAM for role-based access, EC2 for scalable backend deployment, VPC for network isolation, and S3 for encrypted document storage, ensuring compliance and data protection.
- ❖ **Utilized MongoDB** for flexible data modeling, enabling efficient storage and retrieval of buyer profiles, credit history, and property metadata to support fast and reliable transaction validation.

AIDEPOS (Sales Mang.)

Tech Stack: HTML5, CSS, Bootstrap, JavaScript and Laravel with React.

- ❖ Led the creation of a comprehensive **Laravel** application designed for efficient inventory and **sales management**, significantly enhancing operational efficiency and accuracy.
- ❖ **Built responsive user interfaces** using HTML5, CSS, Bootstrap, and React to streamline inventory tracking and sales reporting, improving usability across devices.
- ❖ **Integrated PayUMoney payment gateway** to enable secure and smooth online transactions, enhancing customer experience and boosting sales efficiency.
- ❖ **Developed modular Laravel backend** to manage product listings, **stock levels**, and **order processing**, ensuring accurate data flow and **reducing manual errors**.

PROFESSIONAL ACCOMPLISHMENTS

- ❖ Built **RAG pipelines**: with embeddings and **vector database** grounding, reducing hallucinations by 30 %
- ❖ Team Leadership & Delivery: Led a cross-functional team to launch Go Insured, an **insurance management** system that handles 10K + policies, built on **Python, React, Docker, and AWS EC2**.
- ❖ **Automated lead qualification system** using LangChain, Python, and AWS Lambda, reducing manual effort and qualification time by 40%, while increasing lead-to-customer conversion rates by 25%.
- ❖ **Optimized cloud-hosted databases** by re-architecting PostgreSQL and MongoDB on AWS, leveraging Ansible automation to reduce server load by 35% and improve data retrieval speed by 50%.