

PROFESSIONAL SUMMARY

Software Engineer specializing in AI/GenAI, distributed systems. Expertise in Python and Java with foundation in OOP, Algorithms, Data Structures. Proven experience building scalable, fault-tolerant, RAG/NLP prediction systems on AWS.

WORK EXPERIENCE

Palcode.ai

AI Engineer

Indore, India

June 2025 - Sept 2025

- Delivered multi-tenant support across Procore-synced projects, trades, and vendors on AWS, securing API access via tenant-based filtering and enabling scalable, isolated data access.
- Built a backend voice campaign system using AWS Lambda, EventBridge, Twilio, and ElevenLabs with retry logic, token authentication, and a fault-tolerant design for automated vendor outreach.
- Deployed RAG-style NLP workflows with automated tests on AWS EC2 to generate post-call summaries, extract entities, and schedule follow-ups using OpenAI enhancing callback efficiency.

Superteams.ai

AI Developer

Indore, India

Aug 2024 - May 2025

- Implemented an advanced Flux.1-based image generation system (text-to-image and image-to-image), boosting user engagement by 40% and garnering 5,000+ blog views on fine-tuning techniques.
- Optimized Django APIs and integrated Graylog for real-time error tracking across job posts, courses, and RAG-based document parsing—improving system efficiency by 80% and reducing unauthorized access by 90%.
- Built a centralized developer platform with authentication and API docs, designed scalable ETL pipelines using Apache Spark and NVIDIA RAPIDS on Linux, applying Agile practices to cut execution time by 50% and support queries by 45%.

PROJECT WORK

Knowledge Graph

- Constructed a GenAI pipeline using OpenAI's GPT-4o to extract 50+ semantic relationships from unstructured text, integrating a RAG-enabled hybrid storage system with Neo4j and LlamaIndex for optimized query resolution.
- Applied data modeling and generating data visualization using GenAI, reducing schema creation time by 65%.

CINEXUS- Movie Reservation System

- Architected an AWS-based movie booking system from requirements gathering to deployment, leveraging EC2 Auto Scaling, Django REST APIs, and Angular/Android interfaces to support 1,000+ bookings.
- Engineered a secure backend using Python and Django REST APIs, utilizing an AWS RDS (PostgreSQL) database to manage real-time bookings and power a multi-location analytics dashboard for occupancy insights.

Amber Designer Platform – Full-Stack E-Commerce System

- Architected and deployed a full-stack e-commerce platform using Node.js, Express.js, and MongoDB to enhance user experience for a fashion startup's multi-category rental and sales inventory system.
- Engineered a seamless customer experience by integrating the Razorpay API for secure payments, AWS S3 for high-quality product image hosting, and GCP APIs for live order tracking.

Credit Card Processing System

- Constructed a secure Spring Boot microservice, exposing a REST API to process on-demand credit card validation requests using JSON payloads.
- Implemented the backend logic in Core Java, applying OOP principles and the Luhn algorithm (Mod-10 check) to validate number integrity and identify card types.

Product Barcode Generation Website

- Constructed a web app to streamline product management and barcode generation, handling 1,000+ entries with seamless scanning functionality.
- Implemented data validation techniques to guarantee accurate barcode generation and scanning. This led to a 70% reduction in manual product lookup time, significantly improving operational efficiency and inventory management.

EDUCATION

Bachelor of Technology in Information Technology

MediCaps University CGPA: 8.14

Indore, India

Aug 2021 - July 2025

High School Diploma

Choithram School North Campus

Indore, India

Apr 2020

TECHNICAL PROFICIENCY

Languages: Java, Python, C/C++, MySQL, JavaScript, HTML, CSS

Frameworks & Libraries: Django, Flask, Spring Boot, TensorFlow, PyTorch, Scikit-Learn, Keras, NumPy, Express.js, REST APIs

Cloud, DevOps & Databases: AWS, PostgreSQL, MySQL, MongoDB, Jenkins, Kubernetes, Docker, Git, Jira, Terraform, Linux, CI/CD

Key Skills: Complexity Analysis, Algorithms, Object-Oriented Programming, Agile Development, Data Structures, Distributed Systems