RESUME

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Stack Overflow | GitHub | LinkedIn | Kaggle

SUMMARY

- 6+ years as a Senior Software Engineer specializing in Python, LLMs, and ML, delivering scalable FinTech, Customer engagement, and IoT solutions.
- Expertise in Flask, Django, LangChain, Ollama, AWS, and deep learning (Keras, TensorFlow) with a focus on NLP and document classification.
- Proven track record in architecting APIs, mentoring developers, and implementing RAG-based chatbots for enhanced user experiences.
- Earned Generative AI Certification (Kaggle 2025) and received Performer of the Month award twice at Pace Wisdom for innovative solutions.
- Overall 10+ years Industry experience worked on Multiple freelance and contract projects.
- GATE Qualified and 1st division throughout academics.

SKILLS

- Programming: Python, Scala, Java, Spark
- Frameworks: Flask, Django, FastAPI, LangChain, Ollama, Keras, TensorFlow
- ML/LLM: NLP, RAG, FAISS, Hugging Face, Transformers, Sagemaker
- Cloud: AWS (Lambda, S3, EC2, CloudFormation), Google Cloud, Gemini
- Databases: PostgreSQL, MongoDB, Vector Databases, Hive
- Tools: Kafka, JIRA, Docker, Git, Tesseract, MQTT, Hadoop

EXPERIENCE

Pace Wisdom Pvt. Ltd., Bangalore — SSE L2 (APRIL 2022 - May 2025)
- Architected scalable APIs(Flask, Django, FastAPI) and Kafka-based jobs for Appreciate FinTech, reducing latency by 30% and supporting 10K+ daily users.
- Developed LLM-powered chatbot using LangChain, Langgraph, and Ollama, improving query resolution accuracy by 25% for compliance and user data retrieval.
- Mentored 5 junior developers, boosting team productivity by 15% through Agile practices and code reviews.

Infobeans, Indore — Associate Software Engineer (FEB 2021 - JULY 2021)
As a developer, I worked for a client using Python, Document classification project. Third party API calls related to Maps and PDF processing. Authentication using OTP and Email. Developed robust, scalable solutions.

High IQ, Hyderabad — Solution Architect (DEC 2019 - FEB 2021)
Developed an end-to-end document classification pipeline using AWS Sagemaker and Keras, achieving 90% accuracy.Converted 4000 lines of C# utilities to Python, streamlining operations for 10+ clients. AWS Market

Emorphis, Indore — Software Engineer (SEP 2018 - NOV 2019)
Worked on IoT Product as Python developer and learned and worked on multiple skills. Applied multithreading concept and did Audio classification.

Saras InfoTech — Software Engineer (DEC 2014 - AUG 2018)
Worked on Java Based projects, Government projects and Private projects.
Ref: 🅟 GRS.pptx 📄 UMC screenshot.pdf and 📄 DPreport.pdf

KEY PROJECTS

Social Good Website — FastAPI, Postgres, RAG, LLM ([URL](URL))
- Built SaaS platform for CSR, connecting 100+ corporates and NGOs with scalable microservices.
- Deployed RAG-based chatbot using Ollama, achieving 95% accuracy in regulatory query responses by fine-tuning model.

Leave Management System — Django, LLM, FAISS
- Developed APIs for leave calculations, integrating LangChain chatbot for user-specific data retrieval.

Appreciate App — Flask, ML, Postgres, Data analytics, Kafka, Pyspark
- Architected scalable APIs and background jobs for Appreciate FinTech app using Flask, AWS, and Kafka, reducing latency by 30% and supporting 10K daily users.
- Developed end-to-end NLP solutions with LangChain and MongoDB, deploying LLMs for churn prediction and sentiment analysis, improving user retention by 20%.
- Implemented referral, coupon, and notification systems with network graph analysis, boosting user engagement by 15% on a daily basis.

Intelligent Document Classification — Python, AWS, ML and AI
- Served as ML expert, leveraging Tesseract, multithreading, and AWS Sagemaker for OCR, NLP, and document classification projects, enhancing processing efficiency.
- Developed an intelligent document classification system using CNN algorithms, enabling accurate PDF processing, labeling, and deployment for streamlined workflows.
- Built invoice data processing pipeline with LSTM algorithms, improving classification accuracy for PDF documents by 65%

IoT device anomaly detection — Python, Deep learning, Pyspark, Hive
- IoT Gateway - Device provisioning, MQTT/TCP Communication, PubSub, Topic Predictive Modelling- FFT, Clustering, Anomaly Detection - Autoencoder-PCA, TensorBoard
- Audio Classification using Keras Tensorflow with 95% of accuracy.
Python3 module: pip install ratneshpy | R Shiny | GRS Portal

EDUCATION

M.E., Computer Engineering — SGSITS, Indore
CGPA 7.56 | Thesis on Composition of Semantic Web Service on Cloud : A QoS View.

B.E., Computer Science — Ujjain Engineering College
Percentage 65.59 | Major Project on Smart City

DECALARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief
Place: Ujjain (M.P.)
Date: June 2025