

Mahesh Sharma

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SUMMARY

Full-Stack Software & AI/ML Engineer with **3.10 years of work experience**, specializing in AI-driven solutions, scalable application design and system optimization. Passionate about leveraging technology to drive innovation and business growth.

SKILLS

Programming & Development Python 3.x (Advanced) - Flask, Django, FastAPI, Streamlit, Celery, Frappe | Multi-Threading, Multi-Processing, Asynchronous Programming | JavaScript, TypeScript, HTML5, CSS3, Angular 1/2 | REST APIs, WebSocket, Design Patterns, Software Architecture

AI/ML & Data Science - LLMs, ChatBots, GenAI, Custom Model Fine-Tuning, RAG, Conversational AI, VectorDB, LangChain | NLP, Prompt Engineering | OpenCV, Speech Recognition, Text-to-Speech | NumPy, Pandas, Matplotlib, Data Visualization, Preprocessing & Postprocessing | PyTorch | TensorFlow | Hugging Face | LSTM | ML Algorithms - Models

Other - Databases & Infrastructure, PostgreSQL and MySQL, SQL Optimization - Idempotent Writes - Partitioning - Migration Strategies, MongoDB, DocumentDB, SQLite, Redis, GraphQL | AWS Cloud Platform, GCP | Docker | Ubuntu | Firebase | RabbitMQ, Kafka | Git | JIRA, Confluence

EXPERIENCE

Senior Software Developer | [LDT Technology](#)

Jul 2025 - Present, Zirakpur

Designing and implementing scalable system architectures with multi-threading capabilities, Advanced media processing, and Frappe-based scalable - efficient solutions on Ubuntu infrastructure.

Senior Software Engineer | [Udyat Technologies](#)

Sep 2023 - Present, Mohali

Achieved Senior Engineer role within a year at a lean startup. Led Coucal and Practicepanel (Company's Product) backend in AWS, mastering serverless architecture, Data science and Artificial Intelligence with earning CEO recognition for technical leadership and project management.

Associate Software Engineer | [Bebo Technologies](#)

Apr 2022 - July 2023, Chandigarh

Frequently involved with cross-functional teams to collect and hone project specifications with expertise includes proficiency in multiple programming languages like Python, JavaScript frameworks, and technologies like AI ML, guaranteeing the delivery of high-caliber solutions.

Intern | [Bebo Technologies](#)

Feb 2022 - Apr 2022, Chandigarh

Extensively utilized Perl programming, with a primary emphasis on Core Perl, CGI scripting, and PostgreSQL database management. Demonstrated adaptability by swiftly transitioning into ace operations, where I harnessed my acquired skills to enhance internal processes, contributing to improved workflow and data-driven decision-making.

PROJECTS

Coucal AI | At Udyat Technologies | [Link](#)

Developed an automated recruitment system that leverages AI and machine learning to streamline the hiring process. Focused on backend development, integrating multiple LLMs (such as GPT, Gemini, and Claude) for diverse functionalities, and utilized Asterisk to design the calling workflow. Additionally, built a well-structured architecture and optimized the database for performance.

Practice Panel | At Udyat Technologies | [Link](#)

Free upskilling platform for students to enhance their aptitude, coding, technical, and soft skills through mock tests, coding challenges, and simulated interview sessions. Implemented various LLM models and AI-driven strategies to provide personalized feedback, generate interview questions, evaluate responses, and track progress, thereby creating an adaptive learning experience that prepares students for real-world hiring processes.

Push Notification Utility | At Bebo Technologies | [Link](#)

A web application for push alerts delivery to both Android and Web applications. Eliminated reliance on third-party software, bolstering the organizational data security. Expanded functionality by introducing login and registration with various authentication methods.

QAJARVIS | At Bebo Technologies | [Link](#)

Collaborated on the UI/UX enhancement of an AngularJS-based Web App tailored for Quality Assurance (QA) teams. Streamlined test case creation and management, enabling seamless import (via CSV, XML, AI) and export in both CSV and XML formats.

CERTIFICATIONS

- Certified Python Developer | Sira Technologies | [Link](#)
- JavaScript Development | Mapping Skills | [Link](#)
- Perl Programming | Udemy | [Link](#)
- Machine Learning and Data Science with Python | Sira Technologies | [Link](#)
- International English Language Testing System | 7.0 | [Link](#)

EDUCATION

Bachelor of Technology | Computer Science | Kurukshetra University | CGPA - 8.07

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