Shikhar Raj Mishra

AI Engineer | Generative AI | Full Stack & Backend Engineering

Bengaluru, India | shikharrajm@gmail.com
linkedin.com/in/shikhar-raj-mishra-839998224 | github.com/shikharraj0710

PROFESSIONAL PROFILE

AI Engineer at PwC with 4+ years of software development experience, combining Generative AI with full stack and backend engineering. Experienced in document intelligence, RAG applications, automated reporting, secure APIs, and cloud-integrated enterprise software.

PROFESSIONAL EXPERIENCE

PwC

AI Engineer | Associate 2 | Mar 2026 - Present | Bengaluru

- Contributed backend APIs and reviewer interfaces for an LLM-powered document intelligence platform, including human-in-the-loop verification and benchmark management.
- Implemented document-owned truth tables, conflict-aware publishing, source attribution, and protection of manually verified information.
- Developed phase-aware permissions, Excel benchmark exports, and backend tests covering APIs and publishing workflows.
- Developed server-side PowerPoint reporting using python-pptx and lxml, with dynamic chart/table updates, slide cloning, and OOXML validation.
- Implemented fingerprint-based report caching, Azure Blob Storage integration, authenticated downloads, and deterministic fallbacks for AI-assisted narratives.

Technologies: Python, FastAPI, Next.js, React, PostgreSQL, SQLAlchemy, Azure OpenAI, Azure Blob Storage, python-pptx, lxml.

Metapercept Technology Services

Software Developer | Mar 2024 - Feb 2026 | Pune

- Designed and developed context-aware chatbot applications using LLMs, LangChain, and retrieval-augmented generation.
- Implemented embedding-based retrieval with FAISS and AWS OpenSearch, supported by Python/FastAPI services and React/Next.js interfaces.
- Built enterprise APIs, OAuth integrations, asynchronous workflows, Redis caching, and real-time chat functionality using Django and WebSockets.
- Integrated AWS services and Docker into application and AI workflows.

Technologies: Python, FastAPI, LangChain, React, Next.js, TypeScript, Node.js, PostgreSQL, MongoDB, Redis, AWS.

EXPERIENCE, CONTINUED

O-LINE-O

Full Stack Developer | Jan 2023 - Mar 2024 | Pune

- Developed e-commerce interfaces for product discovery, shopping carts, checkout, and customer, retailer, and administrative workflows.
- Implemented Redux state management, email OTP/JWT authentication, payment and shipping integrations, and WebSocket notifications.
- Built promotional interaction flows and backend prize distribution, optimized MongoDB queries, and added data export functionality.

Technologies: React, Redux, Node.js, MongoDB, JWT, WebSockets, AWS S3, CloudWatch, Brevo, Shiprocket, PayU.

Dirums Collective

Web Developer | Jun 2022 - Oct 2022 | Jamshedpur

- Created responsive administrative dashboards with Next.js and Tailwind CSS, Redux state management, and reusable components.
- Developed React Native interfaces for seller product management and cross-device web interfaces.

TECHNICAL EXPERTISE

Generative AI
LLMs, RAG, LangChain, FAISS, AWS OpenSearch, Azure OpenAI, Knowledge graphs

Backend & data
Python, FastAPI, Node.js, Django, SQLAlchemy, PostgreSQL, MongoDB, Redis, JWT / OAuth / RBAC

Frontend
React, Next.js, TypeScript, Redux, Tailwind CSS, React Native, shadcn/ui

Cloud & automation
AWS, Azure Blob Storage, Docker, python-pptx, lxml, PowerPoint OOXML, Excel exports

EDUCATION

B.Sc. in Information Technology
Mrs. KMPM Vocational College, A Unit of JEM Foundation
June 2019 - October 2022

CERTIFICATIONS & CONTINUED LEARNING

HackerRank JavaScript (Basic and Intermediate)
Cutshort Certified React.js - Advanced
Cutshort Certified Python - Advanced
The Complete 2022 Web Development Bootcamp