

# MUKESH LOHUMI

AI Engineer

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[LinkedIn](#) | [GitHub](#)

## EDUCATION

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**National Institute of Technology Sikkim**  
Bachelor of Technology, Computer Science Engineering

Sikkim, India  
August 2015 - May 2019

## EXPERIENCE

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### Dsmatics (AccelEdge AI)

Remote | May 2022 - Present

*AI Engineer (May 2023 - Present)*

- Delivered enterprise-grade Agentic AI solutions using LangChain, LangGraph, Azure OpenAI, and GPT-4/4o, enabling tool-calling, workflow orchestration, and autonomous task execution.
- Developed scalable RAG pipelines combining ingestion, chunking, embeddings, Azure AI Search indexing, metadata filtering, and LLM-powered retrieval for high-accuracy enterprise virtual assistants.
- Built agentic automation systems for CRMs and enterprise workflows using multi-agent orchestration and Copilot Studio—supporting memory, tool execution, multi-step forms, email parsing, rule-based validations, and SAP API integrations.
- Developed and deployed production-ready LLM backends using Python, FastAPI, Node.js, and Azure Functions with Redis caching, logging, and observability, and containerized them using Docker/Kubernetes with Azure DevOps CI/CD for reliable cloud delivery.
- Built conversational automation integrated with CRMs, calendars, and WhatsApp Business APIs for customer support, lead qualification, and workflow automation.

*Software Developer (May 2022 - May 2023)*

- Developed analytics dashboard using YouTube, Facebook, and Twitter APIs with Node.js and React.js.
- Developed backend for a society management platform using microservices, containerized via Docker, orchestrated using Kubernetes, and deployed on AWS using CI/CD pipelines.

### Yellow.ai | Software Engineer

Bengaluru, India | Aug 2020 - May 2022

- Created conversational chatbots using Yellow.ai platform, designed user journeys and NLP logic, created reusable components using NodeJs.
- Integrated CRMs and payment gateways (Razorpay, Paytm, Hubspot, Shopify, WooCommerce).
- Handled end-to-end delivery including client interaction, logic design, and production deployment.

### Dezinee.ai | Co-Founder

Uttarakhand, India | Jan 2018 - Aug 2020

- Built a rule-based + ML ad fraud detection system using Python, Flask, and MySQL.
- Developed an Intelligent Virtual Assistant using Google DialogFlow, Node.js, and React.
- Led product development and managed team operations, client communications, and business growth strategy.

## SKILLS

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Programming Languages:	Javascript, Python, HTML
Libraries/Frameworks:	Node.js, Express, Next.js, Flask, Tailwind CSS, LangChain, LangGraph, LangSmith, Open AI, Django, PyTorch, Pandas, Scikit-learn
Tools / Platforms:	AWS, Git, Dialog Flow, Elasticsearch, Docker, Azure, Generative AI, Prompt Engineering, Azure Devops, Azure AI Foundry, Microsoft Copilot
Databases:	MySQL, MongoDB, PostgreSQL

## HONORS & AWARDS

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- Got acceptance for Signal-Image Technology and Internet-Based System(SITIS 2019) Conference held by IEEE in Italy for successful research of Digital Advertising Fraud Detection System.