

# Sonu Kumar

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## SUMMARY

AI Engineer with hands-on experience in building LLM-based agents, fine-tuning computer vision models like YOLOv8, and backend development using Java Spring Boot. Skilled in LangChain, LangGraph, OCR, RAG, and modern ML/NLP stacks with a proven ability to deliver scalable and secure solutions.

## EDUCATION

### Masai School

Full Stack Development

Bengaluru, India

June 2023 – Nov 2023

### Dream Institute of Technology

B.Tech in ECE

Kolkata, India

July 2019 – July 2022

### Holy Mary Institute of Technology and Science

Diploma in EEE

Hyderabad, India

July 2014 – June 2017

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript

**AI/ML:** LangChain, LangGraph, OpenAI, Sklearn, Pandas, Numpy, OpenCV

**ML Architectures:** CNN, YOLOv8, BERT, LSTM

**Backend:** Spring Boot, Flask, REST APIs

**Databases:** MySQL, PostgreSQL, MongoDB, Vector DB

**Cloud/Tools:** AWS (S3), Git

## WORK EXPERIENCE

### Software Engineer (AI/ML)

Monocept Consulting Pvt. Ltd., Gurugram, India

April 2024 – Present

- Developed AI-powered solutions using Python and ML frameworks to automate business workflows.
- Built LLM-based agents using LangChain, LangGraph, and OpenAI for question answering and automation.
- Implemented RAG pipelines for knowledge retrieval and chatbot integration.
- Fine-tuned YOLOv8 model to detect Aadhaar info in documents with high accuracy.
- Developed backend services using Java and Spring Boot following microservices architecture.
- Led migration of databases from Oracle to PostgreSQL for Care Health Insurance.

### Associate Software Engineer

SuperSeva Global Services Pvt. Ltd., Bengaluru, India

July 2022 – May 2023

- Contributed to backend development using Java and Spring Boot.
- Implemented REST APIs and optimized code for service reliability.
- Worked with teams to automate internal workflows and enhance service delivery.

## PROJECTS

- **DB-Agent – Monocept:** Built an LLM agent that converts natural language to MySQL queries using LangChain, improving data access for non-technical users.
- **Aadhar Masking – Monocept:** Developed a secure pipeline using OCR and YOLOv8 to auto-mask Aadhaar numbers from uploaded documents.
- **mPro – MaxLife Insurance:** Supported an existing project by fixing bugs and developing new Spring Boot APIs; integrated with AWS S3 for secure storage.
- **DB Migration – Care Health Insurance:** Led Oracle to PostgreSQL DB migration ensuring integrity and zero-downtime.

## CERTIFICATIONS & COURSES

- Full Stack Development – [View Certificate](#)
- Complete Data Science Bootcamp – [View Certificate](#)
- LLM Engineering – [View Certificate](#)