

# Akarsh Shrivastava

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## EDUCATION

### BITS PILANI

B.E. (HONS.) IN ELECTRONICS & INSTRUMENTATION

Aug 2018 - May 2022 | India

### RELEVANT COURSES

• AI • ML • Neural Networks and Fuzzy Logic • DIP • RL

## LINKS

LinkedIn: akarsh-shrivastava

GitHub: aakarshhh

## SKILLS

### TECH STACK

• JavaScript  
• TypeScript  
• Python  
• Java  
• Vue  
• HTML  
• CSS  
• React

### TOOLS & TECHNOLOGIES

• Langchain • AWS • Docker • MongoDB  
• Elasticsearch • CNN • LSTM • TensorFlow • Keras • JIRA • AGILE • Redis • FastAPI • Supabase • Azure • Flask • OpenAI

## INTERESTS

Gaming  
Cooking  
Photography  
Autonomous Bots

## EXTRA CURRICULAR

Head of Lights and Sound Department - BITS Hyderabad

## CERTIFICATES

• Data Scientist with Python  
• Data Analyst with Python  
• LangChain for LLM Application Development

## EXPERIENCE

### TURING | LLM/AI PROMPT ENGINEER | GOOGLE-DEEPMIND

Feb 2025 - April 2025

- Worked as LLM Trainer (RLHF) for correcting the end to end code writing and testing ability of the new Gemini LLM.

### CVISION | CONTRACT ML ENGINEER

Dec 2024 - Feb 2025

- Created a state-of-the-art app for parsing data by Entity Extraction using Multimodal LLMs for a Recruitment Firm. Dockerised and deployed the ReactJS Frontend and FastAPI backend on LAN server.

### CHATFIN-AI | AI-ML SDE1

May 2024 - Nov 2024 | India

- Built an AI agent integrating mixed (CoT & ReACT) frameworks for JS code generation for data extraction functions and APIs.
- Re-designed system prompt and improved RAG accuracy (FAISS).
- Deployed a trainable Light-GBM model Pipeline to predict financial data.
- Handled backend for parsing PDF texts and NER using NLP and LLM.
- Developed UI components for a chat application, similar to Slack.

### REGOLOGY INDIA | SOFTWARE ENGINEER

Jul 2022 - Apr 2024 | India

- Created Mongo-ElasticSearch-Pipeline for data ingestion from MongoDB to ES-8 for RAG.
- Built Policy Extraction as a skill integration using LLM.
- Developed a Knowledge Graph index for internal documents using Lamma Index in Python and OpenAI-LLM.
- Developed a Similarity Search System using mpnet embeddings in ES-7.

### SAMSUNG R&D | STUDENT TRAINEE

Jan 2022 - Jun 2022 | Beyond 5G Team

- Assisted in preprocessing large data collected from 5G modems to ensure data quality and reliability for Beyond 5G research.

### 180 DEGREES CONSULTING | SENIOR CONSULTANT (PRO-BONO)

Jun 2020 - Dec 2021 | BITS-Hyderabad

## PROJECTS

### STOCK PRICE PREDICTION | ENSEMBLE MODEL FOR STOCK PRICE REGRESSION MAR 2021 - JUN 2022

- Developed a CNN+LSTM model to predict graph trends with an average loss of 1.6

### AUTONOMOUS DRIVING IN CARLA Feb 2021 - May 2021

- Implemented Deep Reinforcement Learning using DDQN for RL course Project using CARLA and TensorFlow.

### ML MODELS USING NUMPY AND PANDAS Aug 2020 - Nov 2020

- Implemented various ML Models like Linear-Regression, SVM... from scratch using Numpy and Pandas for NNFL.