

MD ARIF ALI

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Professional Summary

Aspiring software engineer with hands-on experience building web applications, backend-connected systems, automation workflows, and applied AI/ML projects. Strong foundation in Python, JavaScript, databases, and practical machine learning, with project work spanning NLP, time-series forecasting, computer vision, and AI-assisted tools. Interested in software engineering roles focused on problem solving, implementation quality, and real-world systems.

Education

****Chandigarh University****

Bachelor of Engineering (B.E.), Computer Science | 2020 - 2024

Technical Skills

Programming Languages: Java, C/C++, Python, JavaScript, PHP, HTML, CSS

Web and Backend: React, Node.js, Express.js, Django, Flask, Bootstrap, REST APIs

Databases: MySQL, PostgreSQL, NoSQL

AI/ML: Machine Learning, LSTM, Natural Language Processing (NLP), Computer Vision, PyTorch, NumPy, scikit-learn, Matplotlib

Core Areas: Software Development, Web Development, Backend Integration, Python Automation, Applied AI/ML

Projects

ATS Resume Analysis and Interview Prep

- Built an AI-assisted workflow for analyzing resumes against ATS-style criteria, generating score-based feedback, and preparing users for interviews.
- Integrated OpenAI API and Ollama Llama 3 to support resume analysis, guidance generation, and interview-oriented outputs.
- Designed the workflow around practical AI assistance, job preparation, and user-facing feedback generation.

Social Platform Prototype

- Built a full-stack social application prototype centered on posting flows, feed design, and user interaction.
- Implemented frontend structure, backend routing, and database-connected workflows using React, Node.js, Express.js, and MySQL.

LSTM Stock Forecasting

- Developed a stock market prediction project using historical market data and LSTM-based sequence modeling.
- Used Python, NumPy, and Matplotlib for data processing, model experimentation, and visualization.
- Applied sequence-based forecasting to study trend prediction through practical machine learning implementation.

Text Extraction and Sentiment Analysis

- Built an NLP workflow for extracting useful information from documents and analyzing sentiment.
- Applied Python-based text processing to support faster review and better understanding of document content.

Language Model Training with nanoGPT

- Trained and experimented with a nanoGPT-based language modeling workflow.
- Explored token prediction, transformer training behavior, and practical model experimentation using PyTorch.

Facial Recognition in Video

- Built a computer vision project for detecting and recognizing faces in video streams.
- Worked on frame-based processing, recognition logic, and video inference workflow.

Certifications

- Angular - Infosys Springboard (Oct 2022)
- TypeScript Essentials - Infosys Springboard (Oct 2022)
- Natural Language Processing - Internshala Trainings (Jul 2022)
- Thinking in New Boxes: A New Paradigm for Business Creativity - LinkedIn Learning (Feb 2022)
- HTML, CSS, and JavaScript for Web Developers - Coursera (Aug 2021)
- Machine Learning - Coursera (Apr 2022)
- Introduction to Computer Vision - Coursera (Sep 2023)

Additional Information

- Open to software engineering roles, internships, collaborations, and project opportunities
- Built projects across web development, backend systems, automation, NLP, computer vision, and AI-assisted workflows