MOHAMMAD AFROZ ALI

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Hyderabad

SUMMARY

Aspiring AI/ML Engineer with a strong foundation in Java, Data Structures & Algorithms, and Artificial Intelligence. Skilled in developing innovative solutions through Machine Learning, Deep Learning, Natural Language Processing, and Generative AI. Adept at problem-solving and continuously learning new technologies to drive impactful projects. Passionate about building scalable and efficient AI-driven applications, optimizing algorithms for performance, and leveraging data-driven insights to solve complex problems.

EDUCATION

Muffakham Jah College Of Engineering and Technology
B.Tech.(IT)-8.0 CGPA
2021-2025,Hyderabad.

Nalanda Junior College
Intermediate ,94%
2019-2021,Adilabad.

Brilliant Grammar High School
SSC-9.7 GPA
2019,Adilabad.

CERTIFICATIONS

- **Complete Machine Learning, NLP, and Deep Learning Course** – Krish Naik (Udemy)
- **Complete Generative AI Course** – Krish Naik (Udemy)
- Wipro Talent Next Course on Java Full Stack
- AWS Solutions Architect
- Problem Solving Certificate – HackerRank
- TCS ION Soft Skills Development

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL
- **Data Structures & Algorithms:** Problem Solving, Algorithm Optimization
- **Artificial Intelligence & Machine Learning:** Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI
- **Frameworks & Libraries:** TensorFlow, PyTorch, OpenCV, MediaPipe
- **Development Tools & Technologies:** AI-assisted Automation, Algorithmic Optimization, Prompt Engineering

PROJECTS

CPU Scheduling Algorithms Visualizer

- Developed a visual tool in Java to simulate CPU scheduling algorithms (FCFS, SJF, Priority, Round Robin).
- Demonstrated strong understanding of DSA concepts by calculating key performance metrics such as average wait time and turnaround time.
- Technologies Used: Java, Data Structures & Algorithms, GUI Development

AI-Driven Eye-Controlled Mouse Cursor

- Built an AI-based system that leverages OpenCV and MediaPipe to control the mouse cursor through eye movements.
- Implemented dynamic scaling to enhance accuracy and minimize unintended cursor movements.
- Technologies Used: Python, OpenCV, MediaPipe, Machine Learning

AI-Based Chatbot using LangChain and Hugging Face

- Developed an AI-powered chatbot capable of responding to user queries using state-of-the-art language models.
- Integrated LangChain framework to enhance conversational abilities and context understanding.
- Utilized Hugging Face models for improved natural language processing and dynamic responses.
- Technologies Used: Python, LangChain, Hugging Face, NLP

AI-Powered Content Generation Tool

- Integrated LangChain framework to manage and optimize language model interactions.
- Utilized Hugging Face pre-trained models for natural language understanding and text generation.
- Implemented a user-friendly interface for dynamic input and real-time AI-driven responses.
- Fine-tuned the model using domain-specific datasets to improve output relevance and coherence.
- Followed best practices in model training, evaluation, and optimization for production-readiness.
- Achieved 90% coherence score in generated content, validating the effectiveness of the solution.

INTERNSHIP

Java Full Stack Intern @ SkillDzire

- Developed projects like
- Bank Management System.