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Habeeb Moosa

Software Engineer

Portfolio/habeebmoosa

GitHub.com/habeebmoosa

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Passionate and skilled Software Engineer in Full-Stack Development. Experienced in building scalable applications, integrating LLMs, and optimizing backend systems. Seeking opportunities to deliver high-quality AI-driven solutions with a growth mindset.

SKILLS

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|-------------------------------|--|
| Languages | Python, JavaScript, TypeScript, C++, SQL, HTML, CSS, Java |
| Tools and Technologies | ReactJs, NextJs, Node.js, FastAPI, Flask, PostgreSQL, MongoDB, MySQL, Redis, Linux, Git, AWS, Docker |
| Concepts | Data Structures, Algorithms, REST API, HTTP, ML, Prompt Engineering, AI Agent, RAG, NLP, OS, DBMS |

WORK EXPERIENCE

Software Development Engineer Intern OCT 2024 — DEC 2024

AgentProd AI *Remote*

- Developed and optimized user-centric features by improving control flow of product, ensuring a seamless and efficient journey.
- Designed and implemented RESTful APIs using the FastAPI framework to enable easy access to functionalities from the front end. Leveraged LangChain to automate tasks such as sending emails, managing follow-ups, and handling phone calls.
- Implemented robust authentication and authorization features, including user login, registration, and secure access control.
- Designed and maintained robust PostgreSQL database systems to securely store and manage user data and vector embeddings.

AI Engineering Intern MAY 2024 — AUG 2024

Infosys SpringBoard *Remote*

- Developed stock market prediction model to forecast stock prices and flood detection during rainfall based on historical data.
- Applied data normalization and preprocessing, integrating Natural Language Processing (NLP) methods to refine data quality.
- Implementing Deep Learning technique with LSTM network Sequential model with the help of TensorFlow Keras framework.

PROJECTS

AI-Powered Phone Dialer - A system where AI can talk over a phone call [GitHub](#)

Tech Stack: Python, LangChain, FastAPI, Realtime LLM, WebSocket

- Developed voice interaction system capable of initiating calls, engaging in dynamic conversations, & responding to user queries.
- Integrated real-time LLM model to provide accurate response, and perform tasks such as scheduling meetings or providing info.
- Implemented WebSockets with Twilio for seamless voice call services and HumeAI for empathetic, natural-sounding interactions.

Get Roadmaps – A Roadmap Generator with GenAI [Live](#) | [GitHub](#)

Tech Stack: Next.js, TypeScript, Gemini, Tailwind CSS, Node.js, MongoDB

- Develop an AI-driven Roadmap generator that creates personalized roadmaps based on prompts by using Gemini Pro model API.
- Utilize Next.js framework for front-end and backend. React Flow is used for displaying roadmaps and Clerk is used for user Auth
- APIs are created for storing the roadmaps and tracking the user's credits with MongoDB. Tailwind CSS is used for web design.

AI-Powered Candidate Shortlister - Shortlist the candidate based on resume and schedule interviews [GitHub](#)

Tech Stack: Python, LangChain, Flowise AI, FastAPI, MySQL

- Built an AI-driven candidate shortlisting system to evaluate candidates based on job requirements and store them in a database.
- Automated the interview scheduling process by sending emails with available dates, fetching replies, confirming selected dates.
- Integrated email responses with meeting links and scheduled interview dates, saving all data securely in the database.

AI Text Detector – Detection of AI (ChatGPT OR Gemini) generated Text [GitHub](#)

Tech Stack: Python, Scikit-Learn, Pandas, NumPy, NLTK, Flask

- Developed an AI Text Detector model to distinguish between human-written and AI-generated text using machine learning.
- Feature Engineering is applied to the dataset to extract various use full features by utilizing Natural Language processing.
- Extracted various features including Basic NLP, Term Frequency, N-grams, Topic Modeling, and NER count from the dataset.
- PCA used for feature selection. The model is trained using Gradient Boosting, achieving optimal performance with 93 accuracy.

EDUCATION

Bachelor of Technology, Computer Science and Engineering (CSE)

DEC 2020 — JUN 2024

Jayaprakash Narayan College of Engineering (affiliated to Jawaharlal Nehru Technological University, Hyderabad)

CGPA: 7.78

CERTIFICATIONS

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| • Google IT Automation with Python Professional Certificate — View | MAY 2024 |
| • Meta Front-End Developer Professional Certificate — View | Nov 2023 |
| • NodeJs (Intermediate) by Hacker Rank — View | Sep 2023 |
| • Google Cloud Fundamentals: Core Infrastructure — View | Dec 2022 |