UBAID MAJIED

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SKILLS

Skills: Python, JavaScript, C#, C/C++, SQL, HTML/CSS, ReactJs, PostgreSQL, Oracle, PLSQL, Pytorch, Semantic Memory, Huggingface, langchain, AWS, Azure, Flask, FastAPI, Django, .NET, REST APIs, Linux/Unix, Docker, Git

PROFESSIONAL EXPERIENCE

University of California Riverside   **Riverside, CA, USA**
Directed Researcher, Generative AI   *September 2023 - March 2024*
- Developed Chain of AI agents to turn pdf texts into Question and answer datasets for language model evaluation and RAG evaluation.
- Fine-tuned Language models such as Mistral 7B, Medron 7B for downstream tasks in Medicine, Finance using Python, Pytorch Lora, QLora, HuggingFace.
- Hosted the Fine-tuned Models on the Cloud(AWS) and created inference APIs for application use.
- Created AI chatbots using Python, FastAPI, React, Langchain and Huggingface

Ainstein   **Irvine, CA, USA**
Software Engineer, Generative AI   *July 2023 - September 2023*
- Implemented chat with documents feature(RAG), allowing users to upload documents to the AI chatbot and chat with them using Open AI , C#, HTML/CSS, React, .Net, Semantic Memory, Vector databases, Azure NoSQL databases, leading to an increase in user productivity.
- Developed Instant Voice Cloning, enabling users to clone their voices for AI chatbot interaction using C#, HTML/CSS, .NET, Eleven Labs LLMS, Azure resulting in a 25% increase in user engagement.

Indiamart   **Noida, Uttar Pradesh, India**
Software Engineer   *September 2021 - June 2022*
- Implemented machine learning algorithms using Python, Numpy, Pandas, Pytorch for buyer-seller matchmaking, resulting in a 20% increase in successful matches and a 15% improvement in overall transaction efficiency within the B2B e-commerce platform.
- Created PLSQL procedures that performed data extraction for building various Machine Learning systems like buyer-seller matchmaking, Fraud Detection, Personalized recommendations and dynamic pricing.
- Designed and managed E-commerce Databases(PostgreSQL, Oracle, MySQL) to store buyer purchase requirements, buyer-seller transactions, and seller product information
- Built Rest APIs to interact with SQL databases using Python, Flask.

Indiamart   **Noida, Uttar Pradesh, India**
Software Engineer Intern   *March 2021 - May 2021*
- Performed SQL query optimization, resulting in a 30% reduction in query execution time and a 25% improvement in database performance.
- Created triggers and indexes on the databases, enhancing data integrity and improving query performance by 20%, thereby optimizing overall database efficiency.
- Scheduled jobs using Linux cron, automating routine tasks and ensuring timely execution of critical processes, thereby reducing manual intervention.
- Resolved deadlock processes on GCP and AWS servers by implementing efficient kill processes, ensuring uninterrupted server functionality and smooth operations.

IdeaRise   **Bengaluru, Karnataka, India**
Software Engineer Intern   *January 2020 - February 2020*
- Developed a authentication system for a car rental web application for a client using Python, Flask, HTML/CSS .
- Containerized and deployed the application on AWS EC2 using Docker, enabling scalable and efficient deployment.

EDUCATION

University of California - Riverside   **September 2022 - March 2024**
Master's, Computer Engineering   *GPA: 3.4*
- Machine Learning, Natural Language Processing, Data Mining, Artificial Intelligence, GPU, Parallel programming, Advanced Computer Architecture, Advanced operating systems, Deep Learning Algorithms

NIT SRINAGAR   **August 2017 - June 2021**
Bachelor's, Computer Science   *GPA: 3.2*
- Digital Electronics, Databases, Operating Systems, Computer Networks, Object Oriented Programming using C++, Data Structures, Design & Analysis of Algorithms, Software Engineering, Cloud Computing, Advanced Java, Neural Networks.