

SAHID AHMED

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PROFESSIONAL EXPERIENCE

IIT GUWAHATI

Guwahati, Assam and India, IN

Machine Learning Intern

June 2024-July 2024

- Converted pretrained PyTorch models into arrays of C language to optimize deployment.
- Utilized a 4-step conversion process: PyTorch to ONNX, ONNX to TensorFlow, TensorFlow to TensorFlow Lite, and finally to C arrays.
- Developed and implemented Python scripts to facilitate the final conversion, achieving a 30% improvement in model deployment efficiency.
- Collaborated with a team of 3 researchers to ensure the accuracy and efficiency of model conversions for real-world applications.

DIGITAL FORTRESS PRIVATE LIMITED

Remote

Backend Developer Intern

June 2024-July 2024

- Conceptualized and developed a comprehensive billing application, improving the efficiency and accuracy of financial transactions.
- Led the backend development team, coordinating tasks and ensuring seamless integration and functionality of server-side components.
- Managed project timelines, conducted code reviews, and implemented best practices to enhance system performance and reliability.

PROJECTS

DOCQUERY

Python, Django, Langchain, React.js, FAISS

- Developed a web application that reads PDFs and allows users to interact and ask questions about the content using Django and React.
- Implemented Langchain and FAISS for document processing and search capabilities, handling PDFs simultaneously.
- Achieved basic functionality without using the OpenAI API key, resulting in an initial accuracy of around 60%.
- Continuously working on enhancing the accuracy and performance of the application to achieve a target accuracy of 85%.

MEDICARE

JavaScript, React.js, Tailwind CSS

- A medical website for booking online doctor appointments.
- Developed with React.js, Tailwind, and CSS for the frontend.
- Facilitates seamless user experience for appointment scheduling and doctor searches.

- Optimized frontend performance, reducing load times by 20%.

LINK SCRAPER

Python, Django, HTML, CSS

- A website link scraper application.
- Developed with Django, HTML, and CSS.
- Automates the extraction of links from web pages, improving data collection efficiency by 40%.

TECHNICAL SKILLS

- Python | Django | Flask | PHP | React.js | MongoDB | SQL Server | Git | GitHub | Java | DSA | Problem Solving | JavaScript | Database Management System (DBMS) | Object-Oriented Programming (OOPs) | CSS | HTML

EDUCATION

FACULTY HIGHER SECONDARY SCHOOL

[Matriculation Certification]

Guwahati, Assam and India, IN

2014-2020

SOUTH POINT SCHOOL

[High School Graduate]

Guwahati, Assam and India, IN

2020-2022

VELLORE INSTITUTE OF UNIVERSITY

Bachelor of Technology, Major in Computer Science.

Andhra Pradesh, IN

2022-2026

ACHIEVEMENTS

- Received Certification of Merit by Chief Minister of Assam
- GeeksforGeeks Hackathon (Geekathon 1.0) and Smart India Hackathon (Final Round Shortlisted).