Syed Ahmed

469-407-2756 | ahmedsyedh05@gmail.com | linkedin.com/in/SyedAhmed | github.com/SyedHamm

EDUCATION

University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science   *2022 – 2025*
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Machine Learning, Systems Programming in Unix, Database Systems

TECHNICAL SKILLS

Programming Languages: Java, Python, Go, C/C++, SQL, JavaScript, TypeScript, HTML/CSS, Bash
Technologies/Tools: Git, Linux, Docker, Kuberenetes, AWS, Springboot, Kafka, Spark Apache Airflow, Jest, Jenkins, Junit, MySQL, PostgreSQL, Redis, React, Node.js, D3.js, Express.Js, Pandas, 0Auth, NumPy, Postman, CUDA, REST-API's, ElasticSearch, Flask
Concepts: Machine learning, GPU programming, DevOps, Agile Methods, Continuous Integration/Continuous Development (CI/CD), Software Development Life Cycle.
Certifications: Microsoft Excel, Microsoft Word, IBM Machine Learning
Skills: 3D modeling, 3D printing

EXPERIENCE

Software Engineer Intern   May 2024 – August 2024
JIR Automotive   *Richardson, TX*
- Developed a parts inventory tracking system, **reducing manual entry errors by 30%** using **Python** and **SQL**, improving stock accuracy across 3 warehouses.
- Implemented real-time data analytics for production line efficiency using **TypeScript** and **AWS**, resulting in a **15% increase in throughput** within 6 months.
- Integrated payment gateways and an order tracking system into the website using **Stripe** API, improving customer satisfaction and **reducing support queries by 15%**.

Inventory Specialist   Oct. 2021 – Present
Micro Center   *Dallas, TX*
- **Administered Linux terminals** for order processing, optimizing commands and troubleshooting issues, which **reduced handling time by 20%** and improved system efficiency across daily operations.
- Efficiently processed and completed online orders for a variety of tech products, consistently achieving a **98% on-time fulfillment rate**, ensuring customer satisfaction and smooth operations.
- Assisted the Computer Service department in diagnosing and troubleshooting faulty CPUs and GPUs from customers, improving repair turnaround time and **reducing faulty part returns by 15%**.

PROJECTS

FitJourney | *React, Express.js, Node.js, MongoDB, Axios, Git* | Github Link
- Developed a full-stack fitness tracking application, implementing secure user authentication and dynamic, responsive interfaces with React.
- Designed and implemented RESTful APIs with Express.js and MongoDB to handle efficient CRUD operations for 500+ workouts, food logs, and user goals.
- Optimized performance and user experience by utilizing React hooks and context API, resulting in a 30% improvement in load times and increased user engagement.
- Designed and implemented MongoDB schemas using Mongoose for data modeling, ensuring efficient data retrieval and storage, and maintaining data integrity across the application.

ML Weather Predictor | *Python, NumPy, pandas* | Github Link
- Developed machine learning models for weather forecasting using Python, linear regression, and historical weather data, achieving high accuracy and robust performance.
- Processed and cleaned large datasets, extracted key temporal features, and implemented feature engineering to enhance model accuracy and reliability.
- Created an interactive Python script for real-time weather prediction based on user input dates, showcasing proficiency in Python scripting and user-centered design.