Asad Mehboob Ali

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EDUCATION

Drexel University | College of Computing & Informatics ⁣ **CGPA: 3.81 / 4.0 Philadelphia, PA**
- B.S. Computer Science | Minor in Mathematics ⁣ *September 2019 – June 2024*

WORK EXPERIENCE

Chubb Limited ⁣ **Philadelphia, PA**
Information Technology Data Analytics Auditor ⁣ *April 2023 – September 2023*
- Engaged in complete IT audit cycle, leveraging R and SQL, enhancing control efficacy by 25% and streamlining compliance assessments
- Integrated Python's scikit-learn machine learning models into existing systems, predicting and mitigating financial reporting risks, enhancing SOX compliance alongside PwC, leading to a 30% reduction in audit discrepancies
- Assisted in risk assessments by performing statistical analysis and predictive modeling, successfully identifying key risk areas and implementing controls that reduced risks by 20%
- Led the development of an anomaly detection system using TensorFlow, improving compliance breach detection accuracy by 18%

Day & Zimmermann ⁣ **Philadelphia, PA**
Technological Engineering Associate ⁣ *April 2022 – September 2022*
- Facilitated the delivery of top-tier technical support for corporate IT systems, leveraging BetterNet to optimize issue resolution
- Pioneered an innovative Python and ABAP-based integration solution to automate the synchronization of ticketing and SAP systems, enhancing operational efficiency and data integrity through a 40% reduction in manual data entry tasks
- Crafted and deployed sophisticated Ruby scripts to automate user response systems, reducing response times by 60% and significantly improving customer satisfaction metrics by 35% through efficient handling of customer queries and issues
- Managed and modernized enterprise databases using MySQL by implementing advanced indexing and query optimization techniques, ensuring data precision, enhancing core business operations, and improving data retrieval speed by 15%

NetSol Technologies Inc. ⁣ **Calabasas, CA**
Software Engineering Intern ⁣ *May 2021 – August 2021*
- Co-engineered an enhanced user interface as part of a five-developer team, using HTML, CSS Tailwind and Three.js resulting in a substantial increase in user experience satisfaction
- Directed the integration of React.js and Next.js for website navigation, significantly enhancing operational efficiency by 12% and optimizing user interaction fluidity through improved server-side rendering and dynamic routing
- Performed in-depth data analysis of user engagement, influencing a UI/UX strategic overhaul that led to a 10% uplift in site accessibility and a 50% rise in user retention
- Spearheaded the implementation of a Python-driven user feedback system and managed the database using PostgreSQL, leveraging user insights to optimize the website, resulting in a 10% improvement in user satisfaction

PROJECTS

Capstone Project: Dynamic Pricing System | GitHub ⁣ *September 2023 – June 2024*
- Orchestrated the launch of a dynamic pricing system using React.js and Node.js, boosting GMV by 20% through strategic pricing
- Developed a serverless architecture on AWS with EC2, RDS, and Lambda, enhancing scalability and data handling
- Designed and integrated REST APIs for real-time pricing updates, ensuring seamless data flow and immediate response
- Incorporated machine learning algorithms in Python to analyze pricing elasticity and competitor data, suggesting adaptive pricing
- Established a CI/CD pipeline for efficient deployment, enabling quick, reliable software updates

Full Stack Blog Web App | GitHub ⁣ *March 2021 – May 2021*
- Created a Full Stack Blog Web App with Node.js, Express.js, & MongoDB, boosting user engagement and content management
- Utilized EJS for server-side rendering, optimizing user interfaces for dynamic content updates and improved readability
- Employed mongoose for MongoDB data modeling, ensuring data integrity and optimizing database interactions and operations
- Architected a scalable MongoDB database schema for content storage and supporting the application's growing content needs

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, JavaScript, HTML, CSS Tailwind, PostgreSQL, MySQL, Ruby, Tableau
- **Frameworks:** React.js, Next.js, Node.js, Flask, Express.js, Three.js, JUnit, RESTful APIs, MongoDB, Kubernetes, Linux, WebGL, Agile, WordPress, Django, Terminal-UI, Apache Spark, Apache Hadoop
- **Developer Tools:** Git, Docker, Excel, AWS, VS Code, Visual Studio, IntelliJ, PyCharm, Eclipse
- **Libraries:** NumPy, Matplotlib, Pandas, Seaborn, Scikit-learn, PyTorch, TensorFlow

AWARDS & ACHIEVEMENTS

- **Drexel Founder's Scholarship** – *Merit scholarship to study at Drexel University* ⁣ *September 2019 – June 2024*
- **President's List** – *Drexel University, College of Computing and Informatics* ⁣ *Fall 2023 – Spring 2024*
- **Dean's List** – *Drexel University, College of Computing and Informatics* ⁣ *Fall 2022 – Winter 2023*