

Imaduddin Sheikh

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EDUCATION

Illinois Institute of Technology

August 2019 - May 2023

Bachelor of Science In Computer Science

SKILLS

Programming Languages

Python, Java, SQL, C#, C++, C, R, VB.NET, JavaScript, Golang, GraphQL, Ruby

Technologies

Git, Unix, TensorFlow, Docker, Spring/J2EE, Hibernate/JPA, Selenium, Jenkins, JUnit5, WPF

WORK EXPERIENCE

Information Technology Intern

August 2023—Present

Village of Northbrook

• Provide Tier-1/2 technical support to staff across various departments. Manage domain-connected devices, using ManageEngine Desktop Central, performing patch updates, and software installations/removals, while participating in ongoing infrastructure-related projects.

Software Engineer Volunteer

August 2023—November 2023

Resilience, Inc. - Social Emotional Learning Programs

Remote

• Enhance the AIMEE android application by implementing new features and resolving bugs on its React Native and Expo codebase.

Software Developer Intern

July 2023—August 2023

4835 Studios, Inc.

Chicago IL

• Developed a CMS with Microservices architecture, leveraging C#, ASP.NET, and ReactJS for robust functionality. Engineered a responsive user interface using Tailwind CSS and Vite, integrated with conventional HTML/CSS practices.

• Effectively orchestrated the deployment and hosting of the website on Microsoft Azure Cloud, incorporating Azure SQL Database for data management of blogs, contact messages, and job applications, all hosted on a GoDaddy domain.

Software Engineering Fellow

May 2023—July 2023

Headstarter

Remote

• Actively led two major full-stack MERN projects, adopting an MVC design pattern and gaining insights from mentorship by engineers at Amazon, Bloomberg, Google, and Capital One.

• Orchestrated a ReactJS/ExpressJS task management system for startups and students. Integrated AWS Amplify and Cognito for secure user authentication and leveraging Lambda triggers for efficient data storage in DynamoDB. Implemented a robust CI/CD pipeline using Vercel, for seamless deployment and regular updates.

• Engineered a sophisticated ReactJS and Flask-based weather dashboard, utilizing OpenMeteo APIs and NewsAPI for real-time, location-specific weather forecasts and news. Integrating OpenAI's Text-Davinci-003 model for dynamic weather summaries and Twilio for SMS notifications. Employed Google Firebase for effective data caching and crafted a responsive front-end using Material UI and Bootstrap, with deployment managed on Heroku.

Web Application Developer Intern

May 2022—May 2023

Americaneagle.com

Des Plaines IL

• Spearheaded full lifecycle development for e-commerce site enhancements and implementing bug fixes, from design through to production, using ReactJS, TypeScript, ASP.NET, and .NET's Entity Framework with C# and VB.NET. Utilized LINQ for efficient data querying in client projects.

• Actively engaged in SQL query development and optimization using MS SQL Server, including generating detailed reports that informed client business decisions.

• Worked collaboratively with cross-functional teams, adhering to GIT workflows within Azure DevOps/TFS for CI/CD, which contributed to a reduction in minor deployment issues and improved efficiency in project delivery.

PROJECTS

Know-Your-Government: Java android app displaying political officials' data using Android Fused Location, Google Civic APIs, Android Volley for data calls and JSON parsing, Picasso for image handling, and TextView Links for social media integration with landscape support.

Real-Time Sign Detection: Real-time hand sign detection model using TensorFlow, Python, and OpenCV2; deployed in a ReactJS application. Utilized TensorFlowJS for model exportation, hosted on IBM Cloud Object Storage, and integrated with NodeJS for web application functionality.

FakeBlog: Full-stack Django blog website featuring user authentication, admin moderation, and author registration; optimized data storage, retrieval, and authentication using MTV framework concepts, deployed on Heroku with PostgreSQL for data management.

SuperDuperDrive: Cloud storage portal/password manager with Spring Boot's inversion of control, Thymeleaf, and MyBatis ORM. Integrated AES encryption for password security, and CRUD operations for notes, credentials, and files. Conducted end-to-end testing via Selenium WebDriver.

Vehicles API Web Service: Scalable Vehicles API with Spring Boot, facilitating CRUD operations for vehicles, enriched with external Pricing Service and Google Maps' location data through HTTP WebClient. Incorporated Swagger for intuitive API documentation, ControllerAdvice for advanced error management, and Eureka for service discovery, ensuring seamless integration and smooth backend orchestration.

CERTIFICATIONS

IBM Data Science Specialization (Coursera)

Supervised Machine Learning: Regression and Classification (Coursera)

Java Web Developer Nanodegree (Udacity)

Neural Networks and Deep Learning (Coursera)

EXTRA-CURRICULARS

Pakistan Student Association at Illinois Institute of Technology - Treasurer

March 2020 - May 2021

Finance Board at Illinois Institute of Technology - Finance Board Advisor

December 2019 - December 2020