

Ayaan Ul Hasan

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SUMMARY

As a Software Development and Network Engineering student at Sheridan College with a 3.7 CGPA, I have strong skills in Java, Python, JavaScript, and SQL, and experience with frameworks like Angular and React. Proficient in Git, Docker, and Jenkins, I have worked on software maintenance and enhancements, including a real-time chat app using the MERN stack. My experience includes collaborating in team-oriented environments, conducting functional application testing, and contributing to process improvement. I am eager to apply my problem-solving and communication skills in a supportive, collaborative workplace.

EXPERIENCE

Software Engineer, Software Engineer for AI Training Data (Python)

AI Training Data

September 2024 - Present, Remote

- Optimize AI Models: Evaluate, troubleshoot and refine AI-generated decision trees, enhancing performance by 15%.
- Innovate Solutions: Develop efficient code solutions, accelerating AI model training.
- Ensure Reliability: Design robust test cases, improving code reliability by 25%.
- Enhance Collaboration: Collaborate on projects in code evaluation and mobile app development, boosting AI response accuracy.

Machine Learning and AI Analyst, (Intern)

CCC Solution

August 2023 - December 2023, UK, Virtual

- Quantitative Analysis: Studied quantitative mathematics and applied it to develop algorithms, increasing prediction accuracy.
- Logistic Regression: Utilized logistic regression techniques, enhancing model efficiency.
- Model Enhancement: Improved AI and machine learning models, boosting decision-making speed.
- Data Analysis: Analyzed complex datasets to identify trends, optimizing model performance.

Full Stack Trainer, Full Stack Trainer at Orange Antelopes

Orange Antelopes

May 2023 - December 2023, Bhopal, India

- Taught Python and Java programming languages, emphasizing object-oriented design principles, to students of various age groups.
- Covered web development technologies, including HTML, CSS, and JavaScript, with a focus on front-end development using frameworks like Angular.
- Explained SQL for database interactions, aligning with best practices for database management and optimization.
- Dived into the Django framework and production and deployment basics to build robust web applications and web services enhancing students' understanding of back-end development.
- Adapted teaching style to effectively communicate complex programming concepts and cater to students of varying age groups, fostering a collaborative learning environment.

PROJECT

Real-time Chat App (full-stack) [live demo](#)

- Developed a real-time chat application using the MERN stack, integrating Socket.io for real-time messaging and online user status.
- Utilized Tailwind CSS and Daisy UI for front-end design, enhancing user interface and experience.
- Secured the application with JWT for robust authentication and authorization processes.
- Managed global state efficiently using Zustand, contributing to seamless application performance.
- Implemented comprehensive error handling on both server and client sides, ensuring application stability and reliability.
- Demonstrated strong problem-solving skills and attention to detail throughout the design, development, testing, and implementation phases.

EDUCATION

Software Development and Network Engineering

Sheridan College • Brampton ON • January 2024 – December 2027 • 3.7 CGPA

SKILLS

- Programming Languages: Python, Java, JavaScript, SQL, C#.
- Web Development: HTML5, CSS, React, Angular, Node.js, Spring Boot.
- Database Management: MySQL, MongoDB, Azure, PostgreSQL, Oracle, MS SQL, DB2.
- Cloud Architecture: AWS, Python, NACL, Security Group, VPC Peering, Load Balancing, ASG, Azure.
- Development Tools: Git, JBoss, Docker, Jenkins, Apache Tomcat, Visual Studio Code, Figma, Eclipse, Linux.
- Collaboration and Configuration: Experience with GitFlow branching strategies, Bash, PowerShell, and collaboration tools.
- Testing and Deployment: JUnit, Concourse/Fly, SonarQube, Artifactory.
- Containerization and Web Services: Kubernetes, Web Services & APIs, Kafka, Nifi.
- Project Management and Monitoring: Atlassian Jira & Confluence, Splunk.