

Aryan Patel

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Education

University of Minnesota Twin Cities, Minneapolis, MN
Bachelor of Science in Computer Science

Expected Graduation: Dec 2024
GPA: 3.58/4.0

Skills

- Languages: Java, JavaScript, Python, Groovy, HTML, CSS, SQL, PromQL, React
- Frameworks/IDE: AWS, PyCharm, IntelliJ, VS Code, Jenkins, Grafana, MySQL
- Others: Git, Docker, Bitbucket, GitHub, AWS(SVN, S3, CFN, ECS), Agile, Bash, Linux

Experience

- **DevOps Cloud Software Engineer Intern/Co-op (Shure)** *May 2024- Dec 06, 2024*
 - Designed and implemented PromQL queries to retrieve data for dashboards, enhancing monitoring capabilities
 - Automated Jenkins Pipeline/Job launch process using Jenkins JobDSL, eliminating manual operations and reducing maintenance time.
 - Configured environment setup with Ansible, ensuring configuration through code and enhancing CI/CD pipeline deployment efficiency.
 - Constructed AWS CloudFormation templates that supported automated Jenkins controller deployments, allowing for the rapid scaling of infrastructure.
 - Created Docker containers for consistent developer environments, improving workflow efficiency and reproducibility.
- **Data Structures and Algorithms Teaching Assistant (University of Minnesota Twin Cities)** *Sept 2023- May 2024*
 - Maximized student learning in labs by reinforcing concepts taught in lecture, covering material from Data Structures and Algorithms
 - Wrote JUnit tests to grade projects and labs, reducing grading time by 60+ hours per week.
- **IT Intern (Molson Coors)** *May 2023- August 2023*
 - Developed an application using Python and React to scrape brewing control system data and interactively present data to user within a web browser.
 - Migrated manufacturing process website to Microsoft SharePoint using embedded HTML and CSS.
 - Remediated legacy HMI infrastructure to prevent cyber-attacks.
 - Configured and deployed Thin Clients and Intel NUCC PCS running Intouch applications.

Projects

- **Scraping Data** *Work Project at Molson Coors*
 - Wrote a Python script that recursively scrapes data from 595 daily operations files in 20 seconds.
 - Implemented a dictionary in Python to store information for easy accessibility via React app and SQL transacting to a SQL Server script.
 - Engineered a Python script to populate a SQL server table, thus reducing table update time by 2 minutes.
 - Wrote a script to automatically populate SQL Database with 100+ new rows of data.
- **Better Days** *Group Project - Team lead*
 - Created an application that summarizes and organizes a university's mental health resources.
 - Used Flutter to create a simple User Interface students can use when having mental health emergencies.
 - Managed a five-person team and created a productive environment by doing team bonding activities.

Leadership Experience

- **Project Director (United Student Education)** *September 2021 - May 2023*
 - Created software for apps to further student education whether it is spreading awareness about mental health
 - Lead a group of 6 students to develop an app that helps students find mental health resources.
 - Delegated tasks to team members and creates schedules for each individual to ensure project milestones are met.
- **External Vice President (Beta Chi Theta – Multi Cultural Organization)** *May 2022 - May 2023*
 - Coordinated with various organizations, such as Bharat and United Student Education, to host events for 200+ individuals.
 - Coordinated a resume workshop with participation of employees from Meta, Cigna, and Abbott to assist undergraduate students before the campus career fair.

Certifications

- **JPMorgan Chase Software Engineering Forage Online Certification** *June 2023 - July 2023*
 - Used React to display data visually through graphs for traders to see trends in the market.