Aryan Patel

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Education

University of Minnesota Twin Cities, Minneapolis, MN — *Graduated: Dec 2024*
Bachelor of Science in Computer Science — *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 - Aug 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*) — *May 2023 – Aug 2023*
  - 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*) — *Sept 2022 – May 2023*
  - 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*) — *Sept 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 has 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 - Juyl 2023*
  - Used React to display data visually through graphs for traders to see trends in the market.