Priya Dalal-Whelan

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EDUCATION

Smith College, Bachelor of Arts major in Computer Science, May 2025
Relevant Coursework: Data Structures, Algorithms, Probability and Statistics, Software Engineering, Computer Systems, Database Systems, Operating Systems, Network Security

Skills

- Java
- Python
- Git and bitbucket
- SQL (Postgres and MySQL)
- Google Apps script
- Jenkins Pipelines
- Selenium
- HTML and CSS

Work Experience

Database Management Associate, ISAIAH Minnesota
June 2025 - present
- Maintain organization's membership database by performing data entry and cleaning.
- Develop automations to perform data entry from paper-based registration forms in 10 formats using OCR technology, potentially saving 30-40 hours of staff time/week.
- Create member data reports and visualizations in EveryAction and Google Big Query.

Market Application Development Intern, ISO New England (June 2024 - Present)
- Expanded integration test coverage for internal application by 125% by creating tests using Selenium and Java.
- Integrated Cucumber and Jira Xray so business users could conduct integration tests and see user friendly results with a single click, reducing technical staff time.
- Returned for fall internship; designed Jenkins pipelines for Selenium testing jobs.

Data Intern, Minnesota Environmental Justice Table (May-August 2023)
- Designed automations to create simpler workflows across multiple platforms, saving an estimated 10 hours of staff time per week.
- Wrote Google scripts to standardize data.
- Reduced mailchimp deliverability issues by 30 percent.
- Co-developed an automated Air Quality Alert System using Python and PostgreSQL.

Student Technology Consultant, Smith College ITS
- Monitored helpdesk phone, created appropriate tickets in TeamDynamix, and responded to incoming classroom technology incident tickets. Resolved malfunctions over phone and on-site.
- Processed up to 20 incident tickets per hour.

Software Projects

iAssist
- Swift app which improves iOS homescreen usability for elderly users.

Port Scanner -
- Port scanner in Python capable of conducting Connect, SYN and UDP scans. Scans executed in parallel

Air Quality Alert System
- Designed and implemented PostgreSQL database and implemented texting mobile messaging using Python and Twilio.

Address Standardization Script
- Script that automatically validates and normalizes address data using a Google geocoder API and Google Apps Script.