

# Harsh Gowrisetty

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## EDUCATION

### University of Virginia

Charlottesville, VA

B.A. Computer Science, Technology Entrepreneurship Minor

August 2022 - May 2026

**Relevant Coursework:** Data Structures and Algorithms, Computer Systems and Organization, Software

Development Essentials, Applied Linear Algebra, Discrete Math and Theory, Product Development / Management

**Awards:** \$10,000 Randolph Preston Pillow Fund, \$8,500 Claiborne & Martha Whitworth Scholarship (UVA Dean's List Scholarships)

**GPA:** 3.8/4.0

## EXPERIENCE

### Backend Software Engineering Intern - Two Six Technologies

June 2024 - August 2024

*Python, REST, JavaScript, SQL, Apache Avro*

- Integrated Jira application into mission management software system used by Department of Defense clients
- Leveraged the Jira API to fetch and display all project data, create tickets in Jira, and view hours logged on all tickets within a project
- Optimized task management to save developers and product managers **370+ hours** annually
- Designed, developed, and integrated data model by leveraging Apache Avro, a data serialization framework

### Full-stack Software Engineering Intern - Two Six Technologies

June 2023 - August 2023

*Fastify, TypeScript, JavaScript, SQL*

- Built a report generation feature by leveraging Fastify API, TypeScript, JavaScript, and SQL
- Queried from DBEaver (database) and generated a PDF displaying an easily readable report of the mission status
- Automated report creation saving users **125+ hours** annually

## PROJECTS

### Course Reviews Application

December 2023

*Java, JavaFX, SQLite*

- Built a CRUD (create, read, update, delete) application that allows users to create accounts, search and add courses, and create, edit, and delete reviews
- Created a database using SQLite that contained 3 tables, user credentials, courses, and reviews
- Leveraged JavaFX scene builder to design all the necessary FXML front-end screens

### Personal Portfolio Website

December 2023

*HTML, CSS, JavaScript, Netlify*

- Developed personal portfolio website highlighting my projects and skills
- Enhanced dynamic layout enabling seamless user experience on both mobile and desktop devices
- <https://harsh-gowrisetty.netlify.app/>

### Modified Atari Breakout Game

December 2022

*Python, Pygame*

- Leveraged Pygame to develop a video game which displays a bouncing object with increasing speeds, the user must drag a platform to block the object from hitting the bottom of the screen
- Developed power-ups such as slowing down the moving object and increasing the size of the platform to help users defeat the game and create higher engagement

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, C, HTML/CSS, SQL, R, Dart

**Frameworks:** Fastify, React.js, Node.js, JUnit, Flutter, JavaFX, Apache Avro, Agile

**Developer Tools:** Github, Docker, Jira, DBEaver, SQLite, MySQL, Jenkins