

# Sonia M. Jethwani

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## EDUCATION University of Virginia Charlottesville, VA

*Bachelor's in Computer Science, Minor in Economics*

Aug 2021 – May 2025

- **GPA:** 3.6
- **Clubs:** WICS, Sharaara Competitive Dance Team, Competitive Badminton Team, Undergraduate Women In Law, Running Club, Phi Alpha Delta, PIRGs Campus Action Program, Second Year Council
- **Coursework:** Data Structures, Beg. and Adv. Software Development, Machine Learning, Cybersecurity, Software Testing, Digital Logic Design, Computer Systems and Organization I and II, Discrete Mathematics

**Tests:** SAT: 1530 (730 R&W, 800 M) | SAT Mathematics Level 2: 800

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## TECHNICAL SKILLS

- **Skills:** Backend Development, Scrum, Test Driven Development, Git
  - **Languages/Frameworks:** Python, JavaScript, SQL, JSON, Java, Node.js, React, Django, Swift
  - **Certifications:** Oracle Certified Associate (Java SE 8 Programmer)
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## EXPERIENCE

### M.C. Dean

*Technical and Engineering Intern*

**Tysons Corner, VA**

Summer 2022

- Created an application using Optical Character Recognition to interpret and transfer tags on one-line documents to an Excel Sheet
- Served as **Lead Engineer** for 3 projects with companies: **Proctor and Gamble, Meta, QTS (Microsoft)** – design experience with AutoCAD, SKM, ETAP, AGI/ElumTools, and more

### University of Virginia

*Undergraduate Teaching Assistant – Data Structures, Linear Algebra, Calculus II*

**Charlottesville, VA**

Aug 2022-Present

- Held office hours, graded assignments, and collaborated with professors in creating class material

### The Coder School

*Coding Instructor*

**Ashburn, VA**

Sept 2019-2021

- Taught students (K-12) Python/Pygame/Javascript/Java/Scratch; hosted Robotics summer camps

### Academy of Science

*Lead Researcher*

**Charlottesville, VA**

Spring 2021

- Led a team of 10 in developing a more efficient version of DARPA's disaster robot - created a decentralized miniature robotic swarm capable of mapping a disaster site using lidar maps and Simultaneous Localization and Mapping algorithms
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## PROJECTS

### UVA Schedule Advisor

*Scrum Master*

**Charlottesville, VA**

Spring 2023

- Led a team of 5 to revitalize the UVA Student Information System
- Website has user profiles, calendar system, RESTful framework (persistent data), database allowing communication between Advisor and Student (Advisee)
- PostgreSQL, Python, Django, HTML/CSS (Bootstrap), Scrum

### FakeSnake Fake News Detector

Spring 2022

- Created a Google Chrome Extension that detects fake/biased news by performing sentimental analysis on articles that appear in a Google Search
- Submitted in 2022 HooHacks Hackathon and received the 2<sup>nd</sup> place Google Cloud Award
- Python, Sentimental Analysis, pandas, NumPy, sklearn, spaCy, Google Cloud, HTML

### Personal AI Tutor for UVA Students (in progress)

Present

- AI-powered chatbot using OpenAI API to assist students with schoolwork instead of asking professors and TA's, who are usually outnumbered

- OpenAI, Python