SONIA JETHWANI

UNIVERSITY OF VIRGINIA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE - MINORS IN ECONOMICS AND PUBLIC POLICY

CONTACT

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COURSEWORK

- Data Structures and Algorithms
- Artificial Intelligence
- Machine Learning
- Database
- Beg. and Adv. Software Development
- Cybersecurity
- Software Testing
- Digital Logic Design
- Computer Systems and Organization I and II
- Discrete Mathematics
- Probability
- Statistics
- Linear Algebra
- Multivariable Calculus

SKILLS

Technical Skills
- Web Development
- Machine Learning/AI
- Agile
- Test Driven Development
- Git
- Object-Oriented Programming
- Data Structures and Algorithms
- Data Visualization

Languages/Frameworks
- Python
- Java
- JavaScript
- C/C++
- SQL
- JSON/XML
- React/Typescript
- Django/MVC
- Swift
- HTML/CSS
- Matlab

Soft Skills
- Professionalism
- Organization
- Public Speaking/Communication
- Leadership/Initiative

WORK EXPERIENCE

Software Engineering Intern

CoStar Group · Summer 2024

- **Full-Stack Development, React**
- Working extensively on **Micro-Frontends** in CoStar's Web Enterprise platform
- Developing an **invoicing tool** for Costar's **Finance** department by integrating **Oracle** tools into Enterprise

Extern

United States Patent and Trademark Office · Summer 2024

- Developed automation scripts to streamline and enhance database comparison processes for the End-User Software department.

Research Assistant

University of Virginia · Spring 2024

- **Web scraping** database to determine information on year-by-year election policies in South American countries

Teaching Assistant

University of Virginia · August 2019 - Present

- **Discrete Mathematics**, **Data Structures and Algorithms**, Linear Algebra, Calculus
- Held office hours, graded assignments, and collaborated with professors in creating class material

Engineering Intern

M.C. Dean · Summer 2022

- Created an application using **Optical Character Recognition** (**PyTesseract**) 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)**

PROJECTS

- Kaggle: Predicting Housing Prices (**Machine Learning**)
  - Project using regression modeling to predict housing prices in Ames, IA based on previously recorded data – top 10 lowest RMSE
- UVA Schedule Advisor (**Agile Development, Web Development, API Integration**)
  - Led a team of 5 to revitalize the UVA Student Information System
  - Website has user profiles, calendar system, RESTful framework, database (PostgreSQL) allowing communication between Advisor and Student
- FakeSnake Fake News Detector (**Hackathon, Sentimental Analysis**)
  - 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 2nd place Google Cloud Award

CERTIFICATIONS

Java Associate (IZO-808) [in progress] , AWS Cloud Practitioner [in progress]