

SHRUTI GUPTA

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EDUCATION

Walsh University, School of Arts and Sciences

Expected Graduation Date: December 2023

BS in Computer Science & BS in Mathematics (Honors)

GPA: 3.9, Dean's List for 6 consecutive semesters

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Object-oriented programming, Web Development, Computer Organization, Database Techniques, Software Engineering I & II, Linear Algebra, Visual Basic, Calculus I, II, & III, Discrete Mathematics, Probability & Statistical Inference I & II

SKILLS

Languages: Python, Java, Kotlin, HTML5, CSS3, PHP, MySQL, JavaScript, Bootstrap 5, Visual Basic, SQL

Technologies: Git, GitHub, Visual Studio, Jira, IntelliJ, Amazon Web Services, Terraform, Agile, Figma, Android Studio, Jupyter Notebook

EXPERIENCES

Eventbrite, Inc - Software Engineering Intern (Event Infrastructure Team)

June 2022 – August 2022

- Worked with a team of engineers on creating a new version of a service in order to move from the monolithic design to distributed microservices with extensive acceptance and unit testing.
- Added and tested validation for event publishing endpoints in the new service by extending the client to call necessary endpoints in the legacy service. The similarities in behavior between the old service and the new service were 98%.
- Created API-Gateway route to update event statuses via Shadow Traffic, and made the legacy service call the shadow traffic API with error details whenever an update failed.
- Created a lambda function infrastructure with new lambdas using Amazon Web Services and performed testing in TLZ and Terraform.
- **Skills:** Python, Kotlin, Amazon Web Services, Jira, IntelliJ, Lambda, Git, Agile, Terraform, State Machines

Wazo Artificial Intelligence - Data Analyst & Researcher Intern

November 2020 – February 2021

- Machine learning project - sorted and labeled animals' images using Python & Python SciPy and analyzed the dataset's structure.
- Researched and collected consumer data and produced reports and presentations to analyze the consumers' dynamics, traffic, and the areas that should be targeted for outreach. The consumer rate increased by 26%.
- **Skills:** Python, Excel, Jupyter Notebook, Git

Walsh University – IT Help Desk Support & Peer Coach

August 2020 - Present

- Assist people over the phone with IT issues as well as perform routine lab runs and troubleshooting.
- Mentor 1:1 with Computer Science students to help them set learning objectives, boost their grades, and track their improvement. 98% of students significantly improved their grades.
- Organize mini-workshops to teach data structures and algorithms and to encourage students to share helpful resources they know.

PROJECTS

Swift – A ToDo List App (Group Project) | [GitHub](#)

- Utilizing **HTML, Python, JavaScript, & CSS**, built a task book app with customizable user interface that allows users to add, delete, modify, and organize their tasks. The app allows users to view their tasks in a weekly or yearly format.

NaariTech (Honors Thesis Project) | [GitHub](#)

- Building a **Full Stack MERN** web application that provides a communication platform for online learning and teaching experience as well as provides the visibility of resources and opportunities to increase women's participation in technology-related fields .

Heart Failure Prediction | [GitHub](#)

- Focused on the survival analysis of heart failure patients aged 40+. Several machine learning algorithms and models were implemented on the dataset and Ensemble Learning proves to be the best-performing model with a training score of 91% and a testing score of 88%.
- Technologies: Python, sklearn, graphviz, matplotlib, numpy, pandas
- Models: Logistic Regression, Support Vector Machine, MLP Classifiers, Decision Trees, Random Forest, Ensemble Learning

Simplified Search Engine | [GitHub](#)

- Created a simplified Search Engine using **Python** which accepts the user's keyword in the database and returns relevant articles.

AWARDS/ACTIVITIES (Walsh University)

Presidential Scholarship (Full-Tuition Scholarship) Recipient, Honors Program Student, President of World Student Organization, Resident Assistant, Mentor of Computer Science Club