

# SAAHIL PATEL

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## EDUCATION

**Rutgers University School of Arts and Sciences • New Brunswick, NJ**

September 2020 – May 2024

*B.S. Computer Science and Statistics*

Major GPA: 3.75/4.0

## HIGHLIGHTED COURSEWORK

Data Structures, Computer Architecture, Design & Analysis of Computer Algorithms, Intro to Data Science, Unity VR and Game Design, Android App Development, Discrete Math I & II, Linear Algebra, Multivariable Calculus

## WORK EXPERIENCE

**Amazon** – Austin, TX

June 2023 – August 2023

Incoming Software Engineering Intern

**Oracle** – Austin, TX

May 2022 – August 2022

Software Engineering Intern

- Developed a script to remotely retrieve telemetry information from 30,000 Oracle Cloud Infrastructure devices to analyze workload and test performance capabilities
- Redesigning Oracle's API management platform to integrate with cloud-native Java libraries, reducing licensing and third-party software expenditure by 20%

**United Parcel Service (UPS)** – Mahwah, NJ

June 2021 – May 2022

Software Engineering Intern

- Scaled the remediation of security vulnerabilities across 60 applications by automating the encryption of clear-text passwords
- Audited load balancers to offload 20 web farms, including 100 servers that were no longer of use
- Utilized Grafana Dashboards and Prometheus to examine memory, disk, and CPU usage of 100 servers to prevent outages during peak performance
- Led company wide cross-team efforts by working closely with 100+ engineering teams to prevent server farm outages due to stale data

**Learning Assistant Program** – Rutgers University, NJ

September 2021 – Present

Learning Assistant - Data Structures

- Educated 80+ students on topics ranging from dynamic programming, sorting algorithms, graphs, and trees

## PROJECTS

**Athena** - Python, Google Cloud APIs

- Won an award for best use of Google APIs and impact on students
- Constructed a modified SMMRY algorithm to summarize YouTube videos in a few sentences
- Uses Google Cloud Storage to store text and audio files, Google Speech Recognition to create transcripts, and NLTK for natural language processing

**UPS Security Knowledge Base** - C, HTML, ASP.Net, Razor Pages

- Developed an online database for UPS to store and access security vulnerabilities and their remediation plans
- An ASP.Net web application that stores inputs from UPS employees and stores the data to a SQL database

**Snack Track** - Java, Google APIs, Android XML, Android Studio

- Implemented 2 Google APIs for cloud storage and image labeling features to make a more user-friendly interface
- Allows the user to store and analyze dietary habits within the 5 primary food groups
- Processes captured images using a Google API for image labeling to make it easy to store food items in the database

## SKILLS

- Programming languages: Java, Python, NodeJS, Web (HTML/CSS/JavaScript), C#, C, SQL, Powershell
- Software: Git, Android Studio, Unity, Visual Studio, Firebase, React, Razor Pages

## EXTRA CURRICULAR ACTIVITIES

**UPS TEC-Kids Boot Camp**

June 2021 – August 2021

Mentor

- Instructed 65 students learning JavaScript
- Created documentation for the program to describe roles and responsibilities when onboarding new employees
- Tested the 3 primary applications used to teach students and troubleshoot compatibility/login issues

## COMMUNITY SERVICE / LEADERSHIP

**South Brunswick BuddyBall**

August 2017 – September 2020

- Created an environment for children ages 6 to 10 with special needs and disabilities to play soccer