

# SAAHIL PATEL

☎ (732) 823-2978 • ✉ saahilp18@gmail.com • in patelsaahil • 🌐 @saahilp18 • 🌐 saahilp.me

## 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

**Oracle – Austin, TX**

May 2022 – August 2022

Incoming Software Engineering Intern

**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

- 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

- 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

- 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

**LaunchX-Stem**

April 2019 – June 2021

- Designed a plan for a startup company to promote recycling and pitched it to a panel of 6 entrepreneurs
- Earned an award for best presentation

## 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