Saahil Patel

📞 (732) 823-2978 • ✉ saahilp18@gmail.com • 💼 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

- **Computer Science:** Data Structures, Computer Architecture, Design & Analysis of Computer Algorithms, Intro to Data Science, VR and Game Design, Android App Development, Discrete Math I & II

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
- Performed clean-up and updated entries for the Windows Web Services team's central database hosting information regarding applications and servers

Learning Assistant Program – Rutgers University, NJ September 2021 – Present
Learning Assistant - Data Structures

- Led 3 groups of 15 students through course material and practice problems
- Guided and worked with students on topics ranging from dynamic programming, sorting algorithms, graphs, and trees

Projects

UPS Security Knowledge Base – C#, HTML/CSS/JavaScript, NodeJS, 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 – Android Development, HTML, Java, Google APIs, Firebase

- Implements 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

Athena – Python, Google APIs – *Winner at Rutgers University Hackathon*

- 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 and word analysis

Skills

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

Extra Curricular Activities

UPS TEC-Kids Boot Camp June 2021 – August 2021
Mentor

- Instructed 4 classes of students learning JavaScript
- Created documentation for the program to describe roles and responsibilities when onboarding new employees
- Tested the 3 applications used to teach students and troubleshot 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 ages 6-10 with special needs and disabilities to play soccer