

SAAHIL PATEL

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EDUCATION

Rutgers University • New Brunswick, NJ
B.S. Computer Science and Statistics

September 2020 – May 2024
Major GPA: 3.8/4.0

WORK EXPERIENCE

Oracle – Austin, TX
Incoming Software Engineering Intern

May 2022 – August 2022

United Parcel Service (UPS) – Mahwah, NJ
Software Engineering Intern

June 2021 – May 2022

- Encrypted clear text passwords on over 60 applications using PowerShell scripting to remediate security vulnerabilities across servers
- Analyzed and audited 7 of the UPS load balancers to clean up and fix issues regarding the listening ports and probes of the entries within each load balancer
- Utilized Grafana Dashboards and Prometheus to examine memory, disk, and CPU usage of 100 servers for times of peak performance during the holidays
- Cleaned 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
Learning Assistant - Data Structures

September 2021 – Present

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

PROJECTS

UPS Security Knowledge Base – C#, HTML/CSS/JavaScript, NodeJS, Razor Pages

- Utilized by UPS to store and access hundreds of potential 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

- Implemented 2 Google Firebase 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 basic food groups
- Processes captured images using a Google API for image labeling to make it easy to store food items to the database

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

- Uses a modified SMMRY algorithm to summarize YouTube videos in a few sentences
- Uses Google Cloud for storage along with Google Speech Recognition and NLTK for natural language processing and word analysis

HIGHLIGHTED COURSEWORK

- **Computer Science:** Data Structures, Computer Architecture, Design & Analysis of Computer Algorithms, Intro to Data Science, VR and Game Design, Android App Development
- **Mathematics:** Discrete Math I, Discrete Math II, Linear Algebra, Multivariable Calculus, Regression Methods, Statistics II, Bayesian Data Analysis, Computer & Graph Applications

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
Mentor

June 2021 – August 2021

- 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 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” out of all the entries

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