

SAAHIL PATEL

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EDUCATION

Rutgers University School of Arts and Sciences • New Brunswick, NJ
B.S. Computer Science

September 2020 – December 2023
GPA: 3.7/4.0

HIGHLIGHTED COURSEWORK

Distributed Systems, Intro to Artificial Intelligence, 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 May 2023 – August 2023
Incoming Software Engineering Intern

Colgate Palmolive – Piscataway, NJ January 2023 – May 2023
Software & Application Development Intern

- Developed the 'Veeva User Manager' to automate user and employee management for clinical studies and claims
- Restructured statistician reports for better clarity and enhanced user-friendliness through strategic editing
- Implemented dynamic triggers on clinical study dashboards for adaptive data displays and conditional item displays

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

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: Python, Java, JavaScript, HTML, C#, C, Powershell
- Software: React, Docker, Git, Google Cloud, Django, Visual Studio, Android Studio, Unity

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