

# 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

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## HIGHLIGHTED COURSEWORK

Data Structures, Computer Algorithms, Distributed Systems, Artificial Intelligence, Computer Architecture, Data Science, Unity VR and Game Design, Android App Development, Discrete Math I & II, Linear Algebra, Multivariable Calculus

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## WORK EXPERIENCE

**Colgate-Palmolive** – Piscataway, NJ

September 2023 - Present

Software & Application Development Intern

- Developing a service to validate and update internal employee departments using the Veeva API, BigQuery API, and PostgreSQL
- Designing and implementing a security tool to restrict and grant employees temporary access to vaults, safeguarding critical and sensitive user data

**Amazon** – Austin, TX

May 2023 – August 2023

Software Development Intern

- Optimized the storage of shipment routes to a cache by intelligently reducing expensive API calls by 99.99%, resulting in a cost savings of \$1,833,000 in compute resources
- Documented a critical code deployment process with steps and explanations of tooling, such as creating a custom dependency graph, building code changes, and deploying code in a production-simulated environment
- Created a script to delete 40 million rows of bad data from a DynamoDB Table to unblock the team's pipeline during outages
- Removed redundant capacity caps causing the under-utilization of Amazon-owned trucks and planes when determining viable ship options during Prime Day events

**Colgate Palmolive** – Piscataway, NJ

January 2023 – May 2023

Software & Application Development Intern

- Developed the 'Veeva User Manager' to automate user and employee management for 500+ 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 (OCI)** – Austin, TX

May 2022 – August 2022

Software Engineering Intern

- Developed a script to remotely retrieve telemetry information from 30,000 Oracle devices to analyze workload and test performance capabilities
- Redesigned 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 in use
- Utilized Grafana Dashboards and Prometheus to examine memory, disk, and CPU usage of 100 servers to prevent outages during times of peak traffic

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## 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 five primary food groups
- Processes captured images using a Google API for image labeling to make it easy to store food items in the database

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## SKILLS

- Programming languages: Java, Python, JavaScript, Kotlin, HTML, C#, C, Powershell
- Software: AWS, React, Docker, Git, JUnit, Spring Boot, Google Cloud, Flask, Veeva API, Visual Studio, Android Studio, Unity