Saahil Patel

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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

- Developed a script to remotely retrieve telemetry information from 30,000 Oracle Cloud Infrastructure devices to analyze workload and test performance capabilities
- Redesigned Oracle's API management platform to integrate with cloud-native Java libraries, increasing server availability by over 30%

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 on boarding new employees
- Tested the 3 primary 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 children ages 6 to 10 with special needs and disabilities to play soccer