

# Neil Kanakia

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## EDUCATION

### Drexel University

*Bachelor of Science in Software Engineering (GPA: 3.3)*

#### AJ Drexel Scholarship Recipient

*Courses: Data Structures, Analysis Of Algorithms, Artificial Intelligence, Networks, Databases, Systems Architecture*

Philadelphia, PA

Graduation April 2023

## TECHNICAL SKILLS

**Languages:** Python, Java, C, Racket, Dart, Swift, SQL, Bash/Zsh, HTML/CSS

**Frameworks:** SpringBoot, Django, Flask, NodeJS

**Developer Tools:** Docker, Git, SQLAlchemy, PostgreSQL, MySQL, SQLite, Arch Linux, AWS, IntelliJ, PyCharm

## WORK EXPERIENCE

### Software Developer Coop

April 2021 – Present

*Drexel University*

*Philadelphia, PA*

- Developed and improved functionality by creating 4 REST API's using the Java Spring Framework
- Translated business requirements and mock ups into working web interfaces
- Created specialized applications and micro services from the ground up in Java
- Formulated data models deployed in Microsoft SQL

### Undergraduate Research Assistant (Part Time)

July 2021 - Present

*Drexel Wireless Systems Lab, Department of Computer Engineering, Drexel University*

*Philadelphia, PA*

- Built web based IoT management system with Java Spring Framework
- Created API to interface with 10 IoT devices around campus
- Deployed containerized IoT hubs on Raspberry Pi Devices around campus using docker
- Administered Things Board IoT System to collect and scale data from hardware systems

### AWS Dev Ops Coop (Part Time Tech Support Specialist)

September 2019 – March 2020

*Wharton School, University of Pennsylvania*

*Philadelphia, PA*

- Leveraged AWS Lambda Instances to save over 50 hours of work/year for updating employee data
- Designed multiple web platforms responsible for tracking IPs and net addresses using Python—Flask frameworks
- Utilized Flask and Postman to develop a REST API responsible for monitoring data
- Employed tools such Terraform, DynamoDB, Amazon S3 Bucket and AWS Cloud9 in day to day operations
- Oversaw Wharton Technical Support Center by providing technical support, troubleshooting and VPN services to 100+ students and staff

### Full Stack Web Developer/ IT

March 2018 – June 2018

*KT Exports*

*Mumbai, India*

- Developed a marketing web platform using HTML/CSS and Javascript
- Migrated existing SQL database onto Zoho CRM Software to configure CRM Services

## PROJECTS AND AWARDS

### Drowsy Dragons | *Third Place at Dragon Hacks Drexel University IEEE Hackathon (Devpost)*

April 2021

- Incorporated a Raspberry Pi Camera, Python, OpenCV, and Pillow library to detect drowsiness in drivers
- Created a real-time backend website to monitor driving statistics and access Spotify API to alert the driver

### Nest | *Best Student Team Prize at Philly Codefest Hackathon (Devpost)*

May 2019

- Implemented a web application to connect the homeless to shelters, soup kitchens and restrooms
- Designed using HTML, Javascript, NodeJS, Firebase and Python

### RestaurantVibe (Github) | *Location based restaurant picker*

March 2021

- Deployed web application to recommend restaurants based on users current mood, location and dietary preferences
- Built using Node JS, Google Maps API, AWS Dynamo DB, PostgreSQL

### Campus Sellout | *Python, Flask, React, PostgreSQL, Docker*

June 2020 – Present

- Deployed an E-commerce platform for students to sell personalized items
- Deployed site Nginx on an Ubuntu Server to host the completed web platform, Flask, Bootstrap and SQLAlchemy