

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 and Algorithms, Networks, Databases, Software Architecture, Systems Programming

Philadelphia, PA

Graduation April 2023

TECHNICAL SKILLS

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

Frameworks: SpringBoot, Django, Flask, NodeJS, Flutter

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

WORK EXPERIENCE

Software Engineer/ Research Assistant (Part Time)

July 2021 - Present

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

Philadelphia, PA

- Managed and developed VarIoT, a university wide data collection server in Java.
- Developed ios and android application using flutter for tracking IoT data and adding new devices
- Dockerized and deployed images of web applications for VarIoT for rapid testing/deployment and prototyping
- Prototyped and programmed IoT Applications for VarIoT System

Software Engineering Coop

April 2021 – September 2021

Drexel University

Philadelphia, PA

- Designed and developed applications in an Agile environment in Java using Spring Framework
- Improved and developed REST APIs for 4 applications
- Created specialized applications and micro services from the ground up
- Formulated data models deployed in Microsoft SQL

AWS/Software Developer 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

Brachiograph (Pen Plotter) | *Python, Raspberry Pi*

June 2020 – Present

- Built Pen Plotter using Servo Motors and Raspberry pi.
- Posted python software to the open source community.

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