

# Vikash Deo

[vkd225@nyu.edu](mailto:vkd225@nyu.edu) | (347-545-6457)

GitHub: [vkd225](#)

<https://vkd225.github.io/>

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, R, HTML, CSS

**Web Technologies:** Python (Flask; Flask Admin), Node JS, React JS, React Native, Angular 2, Invision, Material UI

**Databases:** SQL, MySQL, PostgreSQL, SQLite, MongoDB, InfluxDB

**Tools Used:** Terraform, Python Pandas, AWS, GCP, Jenkins, Docker, GitHub

## INDUSTRIAL EXPERIENCE

### Full Stack Developer, Strong Arm Technologies

Dec 17 – Present

- Developing the front end for dashboard and tablet (smart Dock) of the FUSE product.
- Architecting and implementing client facing REST APIs to serve processed data.
- Integrate tools like UXCam, Crashlytics to the react native/ android app and find actionable insights.
- Manage infrastructure with Terraform / Vault and deploy the build services in the AWS infrastructure.

**React, React Native, Angular 2, Python, Node JS, AWS, MySQL, Terraform, Git, PubNub, Jenkins, Invision**

### Software Engineer, Tricon Infotech LLC

Feb 17 – Nov 17

- Developed microservices based architecture platform which creates structure for documents like newsletter, employee onboarding documents etc. using React JS and Node JS.
- Built and maintained infrastructure to handle continuous deployment for offsite software developers.

**React JS, MobX, Express JS, Python, AWS, MongoDB, Git**

### Research & Development Intern, Intersection Co.

Jun 16 – Dec 16

- Created an SMS based chatbot to help visitors find their way around the new Hudson Yards neighborhoods in NYC.
- Worked on grocery items identification and localization in a shopping cart for Walmart to reduce checkout time and eliminate human assistance using AdaBoost algorithm.

**OpenCV, Python NLTK, TensorFlow, GCP, Twilio**

## INDUSTRIAL PROJECTS

### On Dock engagement for Industrial Athletes, StrongArm Technologies

Mar 18 – Present

Front-end and Back-end services for Industrial Athletes to engage with the smart Dock to use FUSE Risk management platform. Helps them to understand and increase knowledge on how to be safe on working environment.

**Tools Used:** React Native, Python, React JS, Typescript, Android, UXCam

### Infrastructure as a Code and CI/CD Pipeline: StrongArm Technologies

May 19 - Present

Write terraform code to create, deploy & destroy AWS infrastructure and also build Jenkins Pipeline.

**Tools Used:** Python, Terraform, Vault, Docker, Jenkins, Github

### Gamify Real time Safety Score for Client Bootcamps: StrongArm Technologies

Feb 19 - May 19

Gamify how athletes lift and gave real-time Safety Score for players. Developed a leaderboard to show top 20 players.

**Tools Used:** React JS, React Native, Typescript, MySQL, PubNub, Python

### External client facing dashboard: [Demo Link](#), StrongArm Technologies

Feb 18 – May 18

Created dashboard for clients which provides proactive insights on how safe their workers in are real-time and can deliver that feedback directly to Industrial Athletes to improve compliance.

**Tools Used:** Angular 2, Typescript, Highchart JS, Python

### Alexa Skill to give company Information, Tricon Infotech LLC

Jun 17 – Jul 17

Built an Alexa skill for a hackathon with multiple intents and utterances to give out the company's information. Also, integrated it with company's website. First prize winner.

**Tools Used:** Python FlaskAsk, ngrok, React JS, Twilio API

## EDUCATION

### New York University, New York, NY

Dec 2016

#### M.S. in Computer Engineering

- Analyzed the factors deciding tip of passengers for NYC yellow cab drivers for the year 2014 and visualized the data on Mapbox JS. **AWS, MapReduce, D3 JS, Mapbox JS**