

# Vishnu Annapareddy

Brooklyn, NY | 347-200-8331 | <https://amahavishnua.github.io/ResumeG/>

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## Profile Links

Medium: <https://mahavishnureddy.medium.com/>

Linkedin: <https://www.linkedin.com/in/vishnu-maha-573717129/>

GitHub: <https://github.com/amahavishnua>

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## CORE SKILLS

Programming Languages: Python, Java, JavaScript (ES6) , HTML5, SASS, JSON, JSX, XML, TeX.

Frameworks: Django, React, Node.js, Android, Flask, Express.

Databases: MongoDB, SQL, SQLite, Firebase.

Tools: Eclipse, Visual Studio Code, Jupyter Notebook, GNS3, Wireshark, Github.

## EDUCATION

### **New York University**

*Masters, Computer Engineering*

GPA: 3.4/4.0

NY  
May-2021

### **KL University**

*Bachelors (Hons), Electrical and Computer Engineering*

GPA: 7.23/10.0

India  
May-2019

## WORK-EXPERIENCE

### **Teaching Assistant**

*RTES, NYU*

NY  
08, 2020 – 12, 2020

- Designed project with Prof. Mathew which is apt in this pandemic, project will monitor the exercises done automatically (jumping jacks, squats, situps) and will keep a count of them
- Helped grad students achieving the objectives of project

### **Software Engineer Intern, Embedded Systems**

*Que Technologies*

India  
07, 2018 – 01, 2019

- Developed AI enabled Food Processing using Open CV that helped reducing 20% of human error.
- Collaborated with hardware team to work on Email notification feature.
- Led an initiative towards implementing Logistic Regression in embedded sensors to reduce errors.

## PROJECT WORK

### **Obesity(level) prediction API Machine Learning**

01, 2020 – 05, 2020

<https://github.com/amahavishnua/MlprojectFlask>

- Developed a REST application using Flask and Used pearson correlation to extract best among many features
- Now using Polynomial Regression on 6 extracted features API will predict the severity of Obesity

### **DB management API for an Insurance Comp. Principles of Database Management Systems**

01, 2020 – 05, 2020

- Developed a REST application using Django Framework.
- mainly used MYSQL database for this project, Django Admin is used extensively
- resilient to SQL injection attack, Password encryption, B-Tree indexing enabled

### **Adversarial Attacks on Deep Neural Networks Machine Learning for Cyber Security**

09, 2020 – 12, 2020

<https://github.com/amahavishnua/MlprojectFlask>

- Developed FGSM based adversarial attack using Tensor Flow .
- implemented Generative Adversarial attacks to identify the Deep fakes.
- Collaborated with 2 other NYU students to work on Adversarial retraining .

### **Software Defined Networking using RYU controller Data center and Cloud Computing**

05, 2020 – 08, 2020

<https://github.com/amahavishnua/MlprojectFlask>

- Developed SDN RYU controller based.
- implemented a minikube and deployed a word press site on docker.
- created an example net to calculate the best route using OVS (Open Virtual Switch)