

Vishnu Annapareddy

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

Profile Links

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

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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: Android Studio, Eclipse, Visual Studio Code, Jupyter Notebook, GNS3, Wireshark, Github

EDUCATION

New York University

Computer Engineering

GPA: 3.4/4.0

NY
May-2021

KL University

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>

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

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

- 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)