Asish Mehta

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☎ 848-234-7798

education

bs | computer science

king's college london | 2016-2019
- reseach fellow
- graduated with high distinction

bs | computer engineering

rutgers university | 2014-2016

personal

address

16 Oran Place
Morganville NJ, 07751

work authorization

United States Citizen

skills

languages

experienced

c++ • python • swift

proficient

java • C • bash • matlab

machine learning

frameworks

pytorch • tensorflow • scikit-learn •
google cloud vision

general

languages

english • hindi • kashmiri

web related

• aws • gcp

database

• sqlite • mongodb • redis

os

linux • mac • windows

ides

vim • vscode • nano

web/mobile

basic languages • javascript • flask • ios
sdk • angular 4 • dji sdk • ionic

research

king's college research fellowship | software engineering

june 2019 - september 2019
- Implemented a real-time cellular based 5G NR UAV communication test bed using OpenAirInterface.
- developed the first ever 5G NR virtual reality UAV connected headset.
- developed algorithms for low latency video transmission over 5G

king's college dissertation | optimal path planning for multiple uavs

september 2018 - march 2019
- Developed a path planning system for multiple UAVs that used temporal and spatial priorities to determine optimal routes for maximizing locations visited.
- Solved the Vehicle Routing Problem for a stream of incoming locations with different priorities using Python and ROS.
- Implemented deep learning to train heuristics for finding a maximally optimal solution. Presentation and sample code available.

experience

wonderbuilds | software engineering consultant

september 2018 - december 2018
- Worked directly with designers, executives, and sales staff to integrate crucial features into an E-commerce store. Ensured store was being developed according to specification.
- Developed the E-commerce store for the sale of distributed roofing materials using tools such as Ruby, React, Git, and Capistrano. Executed development cycle using Agile methodology
- Successfully replaced 50 percent of traditional phone orders, reducing time spent by clients.

pa consulting | technology consultant intern

july 2018 – september 2018
- Communicated with clients within the e-commerce industry and worked to translate their strategic objectives into concrete technological solutions
- Modified a commercial drone to achieve ultra-fast wireless charging (4C rate).
- Developed PID algorithm for precision landing using computer vision.
- Presented our technical solution at Disruption Summit Europe in front of 40 other senior executives. Managed to attract potential customers.
- Calculated the investment and return rates, aligned the project with the budget, and obtained approval from the managerial board to implement the project.

yogi2me | software engineer

july 2017 - jan 2018
- Created data analysis tools to analyze yoga instructors availability.
- Extended the iOS application by building a chat portal to customer service staff.
- Developed new schedule management tool for instructors, replacing outdated one lacking in features.
- Maintained web app and website. Ran marketing campaigns on Facebook and Google.