VIJAYAKUMAR PATTANASHETTI

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LinkedIn | GitHub | Medium

EXPERIENCE

Infalytics LLP, Bengaluru — *Intern*

July 2020 (1 month)

- E-Commerce software setup & documentation
- Proposal Drafting: Reference Architecture, System of Interaction, Data Flow Architecture
- Microservices design to consume third party APIs

Siddaganga Institute of Technology, Tumakuru — *Intern*

January 2020 (3 Weeks)

- Development & Debugging Python Framework and Arduino Interfacing Codes for Remote Labs project

Wipro GE Healthcare, Bengaluru — *Intern*

June 2019 - August 2019

- Time & Motion Study of Nuclear CT to optimize Staging Lead time
- Reduced the cycle time by 50% by eliminating manufacturing wastes

EDUCATION

CMR University, Bengaluru — *B.Tech in Electronics and Communications Engineering* | *CGPA: 9.56/10*

August 2017 - August 2021

- Course Work: Python, Embedded Systems(ARM), Digital Signal Processing, Design Thinking, C Programming
- EC Club Coordinator 2018 & PRAYOGA 2020 Events Organizer
- IEEEXtreme 14.0 Ambassador 2020, Dell Campassador 2019

PROJECTS

Sentiment Analysis on Amazon Reviews — *2020*

- Uses SVM to score web scraped Amazon reviews
- Deployed on heroku as flask API

Image Search — 2020

- Uses Convolutional Autoencoders & kNN to search for similar images

AI4ALS — *AI based android App* | *2020*

- Eye blink detection integrated via Google's Firebase

Virtual Body Guard — *An App built using Python* | *2018*

- The solution uses real time capturing of photos, videos & locations, and updating the same to emergency contacts through email and SMS.

SKILLS

Technical: C, Python, MatLab, Algorithms, Data Structures, SQL, Machine Learning, Web Scraping, Data Visualization, Feature Engineering, Deep Learning, Image & Video Processing, Computer Vision, NLP, IoT, Embedded Systems, Azure, Power BI, E-Commerce, Android Studio, Microservices & APIs, Docker, App Development, Git

Others: Solution Architecture, Design Thinking, Time Management, Team Working, Leadership, Listening & Speaking Skills, Problem Solving, Product & Project Management, Familiarity in Windows, Linux

ACHIEVEMENTS AND AWARDS

1. Winner of ReImagine Health 2019 hackathon organized by CPDM, IISc, Bengaluru for building the project, iDAMS - an IoT based solution for eye care(coded in C).

2. Winner of Award of Excellence with USD 200 in InnovateFPGA Global Design Contest(AI on the Edge!) 2019, organized by Intel, Terasic & others, at APJ Regional Finals for the project, Bionic Leg - adaptive control systems based prosthetic leg(coded in C).

3. Second Prize Winner in IEEE CovidMove 1.0 for the solution B e A w a r e - an android app to bridge the gap between the farmers and the government during the crisis.

4. Built an algorithm for Autonomous V2V Collision Prevention at traffic junctions at IITD annual hackathon, DevHack 2.0 @ Parsec 2020

5. Secured 27th rank at Karnataka state level in NSTSE 2017.

ORGANIZATIONS & VOLUNTEERING

1. Student Member of IEEE, IEEE Signal Processing Society, IEEE Information Theory Society

2. Volunteer in Covid FYI Team

3. Microsoft Learn Student Ambassador 2020