

Education

CMR University, Bengaluru, India – *B.Tech. in Electronics and Communications Engineering* | August 2017 - August 2021 | CGPA: 9.56/10.00

- Key Coursework: Python, Embedded Systems, Digital Signal Processing, Design Thinking, C Programming, Neural Networks & Fuzzy Logic
- Campus Leadership: EC Club Coordinator 2018, PRAYOGA 2020 Events Organizer, Assistant Class Representative, Microsoft Student Partner 2020, IEEEExtreme 14.0 Ambassador, Dell Campassador 2019, Microsoft Learn Student Ambassador 2021
- Activities: Hosted 10+ on campus events such as competitions, workshops, webinars attended by 150+ participants, Attended 15+ various competitions & hackathons, Spoke at 4+ online workshops
- Awards & Recognition: Mr. Fresher 2k17, Institutional Merit Scholarship

Experience

Infalytics LLP, Bengaluru, India – *Summer Intern* | July 2020 (1 month)

- Worked closely with the founder in set-up & documentation of open source ecommerce software
- Designed Reference Architecture, System of Interaction & Data Flow Architecture, JSON contracts, and validated APIs
- Designed a microservice in Django to consume third party API

Siddaganga Institute of Technology, Tumkur, India – *Intern* | January 2020 (3 weeks)

- Developed, tested & debugged Python framework and Arduino interfacing codes for Remote Labs project – Phase 4

Projects

1. Bionic Leg with real-time response

- Uses Adaptive Control Systems
- Coded in C & Verilog, and deployed on OpenVINO FPGA

2. Text Rating on Amazon Reviews

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

3. Image Search

- Uses Convolutional Autoencoders & kNN

4. AI4ALS – AI based android app

- Enables basic communication using eye blinking through mobile devices
- Eye blink detection integrated via Google's Firebase

5. Memories Saver

- Built using Django & deployed on heroku

6. Virtual Body Guard – Python course project

- Captures real-time photos, videos & locations, and sends the same to the emergency contacts via email & SMS

Skills

Beginner: Federated Learning, GraphQL, Hadoop, MongoDB, Tableau

Intermediate: Algorithms, Android Studio, Azure & Cognitive Services, C, Data Structures, Django, Docker, Flask, HTTP, Microservices, MySQL, NLP, OOP, Rest API, SQL, PowerBI, PyTorch

Advanced: Computer Vision, Data Visualization, Deep Learning, Digital Signal Processing, Embedded Systems, Feature Engineering, Git, IoT, Machine Learning, Matlab, Python, TensorFlow, scikit-learn, Web Scraping, Familiarity with Windows & Ubuntu

Soft Skills: Adaptability, Innovation, Positive Attitude, Problem Solving, Product & Project Management, Solution Architecture, Leadership, Listening & Speaking Skills, Teamwork, Time Management

Achievements and Awards

1. Won first place in ReImagine Health 2019 hackathon out of 14+ shortlisted teams, at IISc, Bengaluru for the project iDAMS, an IoT based solution for eye care.

2. Won Award of Excellence at APJ Regional Finals in InnovateFPGA Global Design Contest(AI on the Edge!) 2019 by Intel & Terasic, for the project Bionic Leg.

3. Won Second Prize in IEEE CovidMove 1.0 hackathon out of 60+ teams for the solution, B e A w a r e - an app to bridge the gap between the farmers and the government during the crisis. Presented the solution at IEEE International Conference HYDCON 2020.

4. Received funding worth USD 200 in India Innovation Challenge Design Contest 2019 for IoT enabled Smart Labs project.

5. Secured State Rank 27 in NSTSE 2017.

Organizations and Volunteering

1. Student Member of IEEE, IEEE Signal Processing & Information Theory Societies

2. Mentor at MedHacks 2020 - Global Hackathon

Languages

1. English – Fluent

2. Indian(Kannada) – Native

3. Indian(Hindi) – Elementary