

Charan Lalchand Soneji

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EDUCATION

Vellore Institute of Technology, Vellore, Tamil Nadu
B.Tech, Computer Science, 8.4

Graduation Date: 04/2021

The Millennium School, Dubai, UAE
XII, CBSE, 91.4%
Xth, CBSE, 95%

Graduation Date: 04/2017

WORK EXPERIENCE

QtPi Robotics, Bangalore, India

05/2019 – 07/2019

Provider of DIY kids' friendly Robotic kits and a learning platform for Grade 1-12 on coding to 30K students worldwide.

Web Developer and Graphics Intern

- Re-designed and built the new website (<https://www.qtpi.in>) and deployed it using docker.
- Developed 10 product animations, using Blender, aimed at educating students using educational tutorials.
- Developed a tool to allocate trainers to schools, based on home location, using Google Maps API and Firebase.

Dodsal Engineering, Dubai, U.A.E.

05/2018 – 07/2018

IT Intern

- Managed servers, handled initial setup and RAID configurations. Worked on front end technologies in my spare time.

SKILLS AND CERTIFICATIONS

- **Skills:** HTML, CSS, JavaScript, Machine Learning, Deep Learning, Cloud Computing (AWS), Java, Python, DevOps
- AWS certified Cloud Practitioner. 07/2020
- AWS Technical Essentials and Associate Level Architecting, conducted by Ethnus. 05/2020
- Neural Networks and Deep Learning by Andrew Ng, Coursera. 06/2020
- Machine Learning by Andrew Ng, Coursera. 05/2020
- Getting started with AWS Machine Learning by AWS, Coursera. 09/2020

PERSONAL PROJECTS

- Completed 100 days of ML blogs (<https://medium.com/100daysofmlcode>).
- Created a toxicity and sentiment analyzer bot using NLP and an embedding matrix. Implemented it using Telegram API and developed a User Interface to understand findings.
- Created a facial-feature identification and blink-detection app, using OpenCV and Dlib.
- Created a facial detection app using AWS architecture and ML services such as AWS Rekognition.
- Developed an audio-based sentiment analyzer which used advanced ensemble techniques and better DL models.
- Deployment of AWS Infrastructure tools such as Terraform and integrating it with CI/CD pipeline and DevOps.
- Development of a basic operating system using C#.

HACKATHONS

- Semi-finalist in Flipkart Grid 2.0. Deployed a full stack application on AWS for Invoice Processing using ML Services.
- Runners up of Servify track at VIT Hack for building an iOS app to identify devices owned by a user for insurance purposes using OpenCV. I developed the UI/UX using Adobe XD.
- Participated in a college hack to develop an app to identify the instruments and chords from an audio track through preprocessing using Librosa.

EXTRACURRICULAR ACTIVITIES

- **Ventursity, Outreach head** (01/2018 – Present): Managed 2 technopreneurial events, *HackOverflow* and *VAE*, focused on technical and marketing strategy to sell medical devices; hosted over 150 students.
- **Photography Club VIT, Events head** (01/2018 – Present): Worked in the Cinematography and Video editing teams for Riviera After movie 2020 for VIT. Organized and worked on sponsorship for a 400-person event attended by "The Wedding Filmer". Won 2 inter-collegiate competitions for video editing.

ADDITIONAL

- **Interests:** Street and Portrait Photography, enjoy editing videos and trying different pizza flavors.
- **Achievements:** Written and published an IEEE research paper on "Performance Enhancement of Conway's Game of Life using Parallel and Distributed Computing platform".