

Anand Pandey

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EDUCATION

Btech. Computer Science and Engineering

VELLORE INSTITUTE OF TECHNOLOGY, GPA: 8.93/10

Teacher Assistant (TA): University Teaching Assistant, Machine Learning

Chennai, India | May 2020

WORK EXPERIENCE

EXTRAPRENEURS INDIA | SOFTWARE ENGINEER

Pune, India | September 2020 – Present

- Working as a Software Engineer and a **Team lead** with ample experience in designing and developing **cloud-native** applications, Microservices based multi-tenant architectures.
- Involved in agile practices in building scalable web apps in a diverse tech stack involving **Python, Flask, FastAPI, Django, REST APIs, AI**, Biometrics, OAuth 2.0 with hands-on experience of **AWS Tech Stack** involving Lambdas, SQS, Serverless, DynamoDB etc.
- I also work as a **Product Lead** and **manage a team 8-10** for Scrums and steering feature development, technical solutions for their effective implementation through the **agile method**. I have also spearheaded and **delivered products** in the domains of Privacy, Biometrics and revenue management.

PUCHO AI | DEEP LEARNING INTERN

Bengaluru, India | Mar 2020 - Jun 2020

- Devised an application that **extracts apparel information** from videos with the help of **AI**.
- Applied the Computed Deep Learning models trained over **12000 images** and integrated them into a product that was capable of **increasing revenue** in apparel marketing by **15%**.

RELIANCE INDUSTRIES LIMITED | MACHINE LEARNING INTERN

Mumbai, India | May 2019 - Jul 2019

- Worked on an application for Face Liveness Detection using **Depth Prediction** and Texture Analysis.
- This application was developed for employees at Reliance for biometric purposes in **differentiating between Fake and Real Faces** captured.

PROJECTS

MY VACCINE TRACKER

FASTAPI, DYNAMODB, AWS LAMBDA, SNS, HEROKU

Founded MyVaccineTracker (currently archived) that notifies people of **Vaccine Alerts** in their districts in real-time. Product successfully served around **800 people** from **12 states and 45 districts** all around the country with minimal marketing.

FACE LIVENESS DETECTION

PYTHON, TENSORFLOW, KERAS, FLASK, MONGODB

Restructured a project that detected live faces in front of a webcam with robust frontend integration and a secured backend to build a stand-alone Web app. The application was successful in detecting video and image spoof attacks with an accuracy of **89%**.

PRED-CALC

DJANGO, TENSORFLOW, OPENCV, AWS EC2, DYNAMODB

An interactive application that **performs arithmetic operations** based on **Hand Gestures** made by a user with a **success rate of 94%**. The application overhauled the student learning experience for **200 kids in a NGO** by developing their Interests in Mathematics.

MY DOCTOR

ANDROID, JAVA, MYSQL

Designed an Android Application for Patient Records Management and Appointment Tracking. The application is used by more than **20 doctors** and helped in bringing down **doctor's patient-attendance time by 30%**.

Frameworks: Python, Flask, Django, FastAPI, NodeJs

Cloud: AWS Lambda, SQS, SNS, S3

Databases: PostgreSQL, MongoDB, DynamoDB

Technology: Git, AWS, Tensorflow, Keras, Docker