Anand Pandey

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EDUCATION

Btech. Computer Science and Engineeering   Chennai, India | May 2020
Vellore Institute of Technology, Chennai
Teacher Assistant (TA): University Teaching Assistant, Machine Learning

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 Faces and real images** 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 an 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   **Databases:** PostgreSQL, MongoDB, DynamoDB
Cloud: AWS Lambda, SQS, SNS, S3   **Technology:** Git, AWS,Tensorflow, Keras, Docker