Hariom Agrawal

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EDUCATION

B.Tech, Information Technology
Vellore Institute Of Technology, Vellore

2016 – 2020   *CGPA 8.78*

CBSE - AISSCE (12th)
JBS Children Paradise Sr. Secondary School, Kota

2016   *Percentage 93.2*

WORK EXPERIENCE

Application Developer
Fiverr (Freelancing)

01/2019 – Present

Tasks

- Completed about 45+ projects on Fiverr. The projects involves the use of Php, Python, Android, Java, and machine learning work.
- https://www.fiverr.com/hariom_agr

Software Engineer
The Sparks Foundation, Singapore

07/2018 – 05/2019

Task

- Working in the development of an android app which also involves image processing, REST API, etc.

Android Developer Intern
UrbanRider, hyderabad

09/2018 – 10/2018

Task

- Worked for the admin app which involves map API and also done backend using codeigniter framework.

Application Developer
QuEST Global Engineering Services Private Limited., Bengaluru

05/2018 – 06/2018

Task

- Work was to understand the business logic of the company's internal web app which was developed on java, spring and hibernate. To revamp the UI of the same using Angular.

Summer Intern
The Sparks Foundation, Singapore

03/2018 – 06/2018

Task

- Android development training with many sessions including resume improvement, team work, and scrum training.

SKILLS

Android App Development   Php   Java   Python

Database Management System   Web Scraping

Data Structure   Firebase

PERSONAL PROJECTS

VIT 2.0 (Android app + Django)
- Developed an android application which fetches data from university website and shows various student info like timetable, attendance, grades, etc.
- Made a Scraper in python which scrapes details from website and made a webserver using Django.

Image Processing (Python + OpenCV)
- Made use of background elimination technique to detect the hand and made use of convex hull to count number of fingers.
- Also developed an air writing algorithm to write on screen by hand movement.
- Also developed an algorithm to play dino game using hand movement.

Secure E-Transaction System (Android App + Php + Django)
- Made and android app with php backend to store user data.
- Also developed a python API to send OTP to users.
- Used SHA-256 to hash data and used AES to encrypt and decrypt the OTP.
- Also used fingerprint and email verification.

Sentiment Analysis (R)
- Made use of Twitter API to collect the tweets and done sentiment analysis.
- Also made use of a wordcloud for better understanding of the results.

OCR Detection (Python + Neural Network)
- Developed a python program to recognize the characters.
- The algorithm used was CNN. The dataset used for training is Char47K.

School Management System (Android App)
- Made two apps for school, parent app and admin app.
- Made use of google sheet api and appscript to fetch the data using Retrofit HttpClient.
- Also used PdfViewPager library to show the pdf in the app.
- Used Apache POI API to read excel file in the admin app to append new rows to google sheet.
- Also used FCM to send notification based on different categories to parent app from the admin app.