Sumukh Nitundila

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Profile

A software engineer with 1 year work experience in architecting, designing and developing apps in multiple platforms from scratch. Was responsible for starting the tech team and was also the point of contact between the business team and the tech team. My strength is in designing elegant and scalable server side code. I am also an enthusiastic learner always looking for a challenge.

Experience

ELAI (FORMERLY DEXLER AGRO) – 2019 JANUARY - 2020 MARCH

- Built a web based dashboard with microservices architecture using React JS, Redux for the front-end, Node JS, Express middleware and MongoDB for the back-end.
- Built an Android app with 500+ downloads in 2 months using Figma for design, RetroFit as a REST client and Firebase OAuth API for authentication.
- Built a machine learning model using Tensorflow to classify images with 99.6% accuracy and hosted it on a Flask server.

SIEMENS HEALTHINEERS – JUNE 2017 - JULY 2018

- Built a C++ MFC application using the DICOMMerge library to encrypt sensitive patient data
- Built a WPF application using C# to filter through application logs
- Was involved in maintaining Syngo.Plaza tool.

LEANOVATE – OCTOBER 2017-DECEMBER 2017

Built a python module which scrapes data from social media and performs sentiment analysis with 96% accuracy to extrapolate the pulse of the public on an issue

Education

BMS College Of Engineering – BE in Information Science

Passed with distinction and a CGPA of 8.58

Skills

TECHNOLOGIES COMFORTABLE WITH :

Javascript, Java, Python, Node JS, Express JS, React JS, Spring Boot, Keras, MongoDB, MySQL, Git, Android, Firebase, GCP, AWS

TECHNOLOGIES FAMILIAR WITH:

C++, C#, WPF, MFC, Flask,Selenium, Spring Hibernate. JavaFX, Docker, Jekins

Projects

DIABETIC RETINOPATHY DETECTION

- Used OpenCV to preprocess the images and prevent overfitting
- Built a custom CNN model using Keras and did a comparison study with open source models such as Inception-V2, ResNet and VGG-16
- Used transfer learning from ResNet to increase accuracy to 93%

CHAT APPLICATION

- Built a NodeJS application to build a secure chat application which uses only session storage to record messages.
- Used Socket IO to establish a realtime bi-directional communication.