Shashwat Rathod

B.Tech (ICT)

I consider myself as a problem solver who has a penchant for Machine Learning and Web Development.

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EDUCATION

B. Tech
Pandit Deendayal Petroleum University

07/2017 - Present   *8.98*

PERSONAL PROJECTS

NNLib (08/2020 - Present)
- NNLib is a neural network library built from scratch using python.
- The library features various activation functions, cost functions, kernel initializers, and optimizers.
- Future scope for this project includes the implementation of CNNs, RNNs, and LSTMs.

Activity Type Detection (08/2020 - 12/2020)
- The project is aimied at detecting the type of activity(viz. running, walking, cycling, etc) being perfromed by the user based on the sensor data from their phone.
- We started the project from ground up; from data collection via an android app to designing the classification model.
- Achieved a testing accuracy of 95%.

Ahmedabad House Price Prediction (11/2019 - 01/2020)
- We created a house price prediction model for our hometown of Ahmedabad.
- We scrapped the property prices data from a real estate website. We cleaned and analysed this data to get the best fit.
- Deployed the model via a web app.

Amazon Price Tracker (07/2020 - 07/2020)
- Built a UWP application to track the prices of various user specified items on amazon.
- The application also runs in the background and notifies the user when the price of an item falls below the user preffered price.

WORK EXPERIENCE

AI/ML Analyst Intern
Nirmitee.io

09/2020 - 11/2020

Achievements/Tasks
- Developed and deployed a CRUD API for managing the training data using FastApi and MongoDB
- Developed a smart chatbot that understands user context and replies accordingly using RASA framework.

Android Developer Intern
Eople Internet Pvt Ltd

07/2019 - 08/2019

Achievements/Tasks
- Worked on integrating Android's Location API with the application. Also added a Google Maps intent and implemented custom long press and touch actions on it. Implemented the UI/UX for several other intents.
- Worked with Firebase's real-time database and firestore.

SKILLS

Python Java C C# Machine Learning Tensorflow JavaScript React FastApi MongoDB Android HTML CSS SKLearn

ACHIEVEMENTS

Winner - Lets Hack 1.0
Secured 1st position at LetsHack - A hackathon organised by my university.

3rd - Lets Hack 2.0
Secured 3rd position at LetsHack 2.0 - A hackathon organised by my university.

CERTIFICATES

C Programming Language - CDAC

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Gujarati
Full Professional Proficiency

INTERESTS

We Development Software Development AI ML API Development Astronomy