Dvij Barot
Computer Science Engineer

Just a curious mind, love to work with similar minds, and gain a lot of knowledge on the way. Experience with project planning, development, and testing in web applications. Interested in working on more projects in the domain of Artificial Intelligence and Machine Learning.

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EDUCATION

BTech in Information technology
Symbiosis Institution of Technology

06/2017 - Present   *7.55*

12th Maharashtra State Board
Pace Jr. Science College, Navi Mumbai

06/2015 - 04/2017   *78.3%*

10th CBSE
Apeejay School, Navi Mumbai

04/2014 - 04/2015   *92%*

WORK EXPERIENCE

ERP System: MEAN Stack Developer Intern/Team Lead
Agri10x, Pune

12/2019 - 04/2020
Agri10x is the world's first Artificial Intelligence & Blockchain-enabled global e-marketplace connecting farmers with traders.

Achievements/Tasks

- Instrumental role in modeling the flow of the ERP System
- Designed and developed Support, Finance, Sales and HR Modules in Angular 8/9
- Created API's for DB connectivity using MongoDB
- Developed modular charts components for use in system
- Designed and developed Dashboard for a previous version in Angular 6
- Lead a team of four in ERP System development while following agile methodology

Contact: Sundeep Bose - +91-9011873838

Web Development Intern
Talerang, Mumbai

06/2019 - 07/2019
Talerang's mission is to create work-ready graduates for India, through a unique, experiential model

Achievements/Tasks

- Added lightbox feature to all videos uploaded on the site
- Created Android application design and documentation
- Integrated NLP chatbot to the website
- Updated various graphics to modernize the site in PHP

Contact: Zahn Patuck - +91-9820595359

SKILLS

Python   Keras   NumPy   Tensorflow   Angular   HTML/CSS/JS   MongoDB   Git   Agile   Leadership

PERSONAL PROJECTS

Anomaly Detection and Remaining Useful Life Prediction using Machine Learning (08/2020 - Present)
- A research paper on use of LSTM-Autoencoders, to predict the maintenance and RUL of the machinery

COVID-19 Detection using Chest X-Ray (10/2020 - Present)
- Used dataset available on covid-19 chest x-rays to categorize into viral, normal and covid patients using Kaggle Dataset and Keras library

Face Mask Detection (09/2020 - Present)
- Detection of people wearing face mask, covering their nose and mouth in Python using CNN, Keras, Tensorflow and OpenCV

Stock Price Prediction (09/2020 - Present)
- Prediction of Stock prices using python and machine learning algorithms like LSTM

Online Net Banking
- An extensive website developed using HTML, CSS, and PHP
- It uses MySQL as the database management system and performs various transactions

ASCII Image converter
- Used Pillow PIL to process a low-quality image and convert it into an ASCII character image based upon greyscale and average brightness of individual tiles using numPy.

Sudoku Solver
- Created a 9*9 sudoku solver in JAVA using backtracking and multiple resources from GitHub.

CERTIFICATES

Python and Django Full Stack Web Development (04/2020 - 06/2020)

Python 3: Bootcamp (04/2020 - 05/2020)

INTERESTS

Artificial Intelligence   Machine Learning   Flutter   Badminton   Music