Ameya Laad

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EXPERIENCE

Software Engineer Intern | Microsoft | Bengaluru, India | May 2020 - July 2020
· Analyzed the business usage of the Microsoft Bookings platform to estimate the real usage of the product.
· Built 3 dashboards to track telemetry and API events in the Bookings platform.
· Consolidated data of >2 million users per month used for improving user experience.
· Identified and added 4 missing datapoints across the website in ReactJS.

Web Developer Intern | Indian Red Cross Society | Mumbai, India | April 2020 - May 2020
· Improved the website for External Quality Assurance System, used by 166 blood banks across India.
· Streamlined the form filling process by creating a website that uses Bootstrap 4 and JavaScript.
· Used Google Sheets to store the data of over 70 input fields.

Software Engineer Intern | MindNerves Technology | Pune, India | June 2019 – August 2019
· Engineered a milk delivery service application with Ionic, Cordova, Loopback and MongoDB.

EDUCATION

Bachelor of Technology in Computer Science | Birla Institute of Technology and Science, Pilani | Goa, India | 2022 | 8.93

PROJECTS

Predicting COVID-19 in India using Machine Learning | BITS Pilani, Goa Campus | April 2021
· Compiled, cleaned and visualized data from 4 sources, and 25 different features to create the dataset.
· Tested over 5 machine (LR, ARIMA, HMM) and deep learning (LSTM, Seq2Seq) models against the second wave of the disease.
· Analyzed the impact of 10% reduction in mobility on the number of cases using Linear Regression.

Rasoee | PyTorch Summer Hackathon 2020 Runner Up | August 2020
· Developed an Android application that can recognize over 300 varieties food, and give links to recipes using an API call.
· Fine-tuned a pre-trained model in PyTorch on the Food-101 dataset.
· Deployed the model on the Android framework using TorchScript.

TwoFace | 2nd Runner ups in Microsoft code.fun.do++ at BITS Goa | November 2019
· Built an Ionic + Loopback application that uses face-verification as its login component.
· Integrated the Microsoft FaceAPI into the application to recognize, save, and verify faces.
· Created a simple blockchain to enable voting as a part of ChainVoter.

Portfolio Website | ameyalaa.github.io | May 2019
· Created my portfolio website using ReactJS, and deployed to GitHub Pages with continuous integration.
· Utilized the Particles library to enhance user experience.

CERTIFICATIONS

Deep Learning Specialization by deeplearning.ai | Coursera | 2020
Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

Advent of Cyber | TryHackMe | 2020
Basic cyber security knowledge and experience

Intel IoT Edge AI Scholarship | Udacity | 2020
Explored the edge world using Intel's OpenVINO toolkit

INVOLVEMENT

Instructor | BITS Pilani, Goa Campus | Center for Technical Education | August 2019 - Present
· Taught basic Python to over 50 Biotech students as a CTE Instructor.
· Additionally covered numpy, pandas and matplotlib for data processing.

Manager | BITS Pilani, Goa Campus | Quark | September 2018 - May 2020
· Contacted over 25 artists to perform at Quark.

Teaching Assistant | BITS Pilani, Goa Campus | ACADEMIC UNDERGRADUATE STUDIES DIVISION | January 2021 - May 2021
· Assisted Prof. K. R. ANUPAMA in Labs of the course Microprocessors and Interfacing.