DIVYANSH SHARMA

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EXPERIENCE

Data Science Intern | AI, ML, DL
Eductech Learning Solutions Pvt. Ltd.

📅 May 2021 – July 2021   📍 Gujarat, India

- In my Practice School-1 internship, I worked under Mr. Bhavin Darji (Senior Embedded Engineer, Eductech Learning Solutions Pvt. Ltd) to build a model to detect, extract facial features, and recognize a person in real-time.
- The model was trained using very few images of people, but the results were satisfactory. This internship taught me about convolutional/deep neural networks, working with OpenCV libraries, and working in a team.
- The task fell under the domain of computer vision. OpenCV was used because the model was needed to be built for real-time recognition. In the initial days of the internship, I also worked on a cat-dog recognizer model. It was made to get the experience of working with Keras and TensorFlow.

Co-Founder | App Development, UI/UX, Web Scraping, ML and Entrepreneurship
Flibgib

📅 March 2021 - Present   📍 Goa, India

- It is a self-initiated project built on making online dating a wholesome experience for everybody while respecting the sensitivity associated with this intimate matter. We found that most leading dating apps were primarily trying to reinforce the desperation model on users. My friend and I started working on this project in the summer of 2021.
- Until March 2022, we were the only two looking at everything from app development to product building to marketing. We also had a team of 25 interns who were working for us in different roles(mostly marketing, social media, and content writing). We have also made the basic algorithm for matching by applying our Data Science and Statistics knowledge(which can be made better in the future).
- MVP of the product is almost complete, and we are planning to go for the beta in the last week of June. From this journey, I have learned skills like App development(backend and frontend), Coding, Product Management, Data Science, and Team building. Here is the link to the website - www.flibgib.net

PROJECTS

Deep Learning Project-Classical Music Generation | AI, ML, DL
Deep Learning Course

📅 Nov 2021 - Dec 2021   📍 Goa, India

- Generative Modelling is gaining lots of interest in the field of Computer Vision. To be able to create human-like art is a big step toward Deep Learning. Generation of Music by DL can revolutionize Generative Modelling, in the field of Sequential Data, with the aim being to be able to make Music comparable to the likes of top-class DJs.
- I had done this project for our DL course alongwith three other students. In this, we aim to create Music of the classical genre using various generative models like AutoEncoders, Variational AutoEncoders, and Generative Adversarial Networks (GANs). We also tried to represent the data more meaningfully to pass through the networks, using transformations such as MFCC and STFTs.

LIFE PHILOSOPHY

"Every problem has a solution."

SKILLS

Technologies

Machine Learning · DSA · Full-Stack App Development · Deep Learning · Data Science · Data Analytics · Web Scraping · Computer Vision · UI/UX · API development · NLP

Programming Languages

Python · Java · NodeJS · C · C++ · Dart

Frameworks/Libraries

Flutter · PyTorch · OpenCV · Tensorflow · Keras · Pandas · Numpy

Softwares/Tools

Git · Firebase · Adobe XD · MATLAB · Android Studio · Visual Studio

EDUCATION

B.E. Mechanical Engineering
BITS Pilani

📅 2019-2023

CG-8.0/10

- And finally, based on our intuition gained by experimentation, we tried to adapt our solutions to the state-of-the-art music generation models, which use LSTMs and Transformers to generate top-class Music. The results were not satisfactory, but I learned about LSTMs, GANs, AutoEncoders, and Transformers from this project.

Web Scraping| API
Self

📅 Oct 2021 - Oct 2021   📍 Goa, India

- An API, which is scraping memes from Reddit for our application. The scraped memes will be saved in the RTDB server and can be shared while chatting in our dating application Flibgib.

POR

Student mentor
Peer Mentorship Program, BITS GOA

📅 Aug 2020 -June 2021   📍 Goa, India

- I got the opportunity to mentor six first-year students and guided them about college life and academics. I was a mentor who had the responsibility to give insights into college from academics to extracurricular activities.

CERTIFICATES

- Machine Learning by Stanford University(Coursera).
- The Complete 2021 Flutter Development Bootcamp with dart(Udemy).
- Machine Learning A-Z: Hands-On Python R In Data Science(Udemy).
- Master of Coding Interviews: Data Structure and Alogrithms(Udemy).

VOLUNTEER EXPERIENCE

Teaching Assistant
Abhigyaan

📅 Aug 2020 - Jun 2021   📍 Goa, India

- For a year, I worked with Abhigyaan, whose primary motive is to educate nearby slum children , guards, mess workers, and people of our campus, and also motivating them to take basic education for their better future.

High School
St. Thomas English Medium School

📅 2015-2016

92.6/100

Middle School
St. Thomas English Medium School

📅 2017-2018

88.2/100

COURSEWORK

Deep Learning

Computer Programming

Statistical Inference and Applications

Engineering Optimization

Probability and Statistics

Linear Algebra

Applied Statistical Methods