KUMAR SHUBHAM

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EDUCATION

Bachelor of Technology, Chemical Engineering
Indian Institute of Technology (BHU), Varanasi

Jul 2019 - May 2023
GPA: 8.07

PROJECTS

ByteWalk - Social Media Website
- It is a social media website built using Django Framework and is deployed through Heroku with google Cloud handling the storage of static files.
- It allows users to post images, like and comment on images. They can view other users profile and can send friend requests, accept, reject or cancel requests or unfriend their friends.
- The registration system is complete and users can request for password reset also. AJAX is used to handle some tasks like likes and comments to provide a better user experience.
- The website can be used at http://www.bytewalk.me/

TrainIt - Train Your Machine
- Built a Trainable Machine which lets users train our model for up to 5 different classes in the browser with their own set of images using a webcam and then get live predictions using a webcam.
- It is built using Tensorflow js and transfer learning is used on top of MobileNet model. It has been made like a web app using Flask Framework.
- The model can be tried out at https://shubham1710.pythonanywhere.com/

Smart Personalized Alarm Clock
- Built a smart alarm clock in Python using A.I. which helps the user to get up early by playing the best alarm tune suited for the usee.
- It achieves this by keeping a record of time taken by the user to wake up for each particular tune and using the data to recommend the best next tune.

SCS Website
- Built the official website for Student Counselling Services, IIT (BHU) using Flask WebFramework.
- Handled the backend and most of the frontend of the website.

Learn Programming App
- Built an Android app using Android Studio in Java which helps users to learn to program.
- Implemented data retrieval using Firebase and implemented a PDF reader in the app to help students read the content.

EXPERIENCE

Co-Lead, Tech and Info, Student Counselling Services, IIT (BHU)
- Built the official SCS website and also made an android app to handle their book bank.
- Co-ordinated all the tech-related work of SCS along with my team.

May 2020 - Present

Technical Content Writer, Medium
- Writes articles related to Machine Learning and Programming in general especially Python tutorials.
- Writes mainly for Towards Data Science and many of my articles have been curated.

Apr 2020 - Present

SKILLS

Programming Languages: Python, C++, C, Java, Go, HTML
Frameworks and Technologies: Django, Flask, Tensorflow, AJAX, Bootstrap, Tensorflow js, Git, Scikit Learn, Keras, NLP, CNN, Firebase, Google Cloud, Heroku
Development Environments: VSCode, Jupyter NB, Sublime Text, Brackets, Android Studio, Google Colab
Soft Skills: Team Work, Leadership, Team Managment, Public Speaking
Languages: English, Hindi

ACHIEVEMENTS AND LEADERSHIPS

- Achieved a Rank of 122 out of 22840 participants in Flipkart Grid Challenge 2.0
- Gained the Tensorflow in Practice Professional Certificate from deeplearning.ai at Courserra.
- CTO of Team during Google Startup Weekend, created the website and brainstormed on all technical aspects of our project.
- Achieved 4th rank in Osmoze Coding Challenge, IIT BHU.
- Achieved 99.95 percentile out of 0.2 million students in JEE Advanced Exam.