Omkar Anil Borker

Student, 3rd Year B.Tech Computer Science and Engineering

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Margao,Goa

My Portfolio

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I am Omkar Borker and I am a student of Computer Science and Engineering at National Institute of Technology ,Goa. I have a strong background in developing various software solutions related to machine learning ,web development and have a deep knowledge of programming languages including JavaScript, Python, and C++. I am always looking for new challenges and opportunities to grow my skills and contribute to the software industry."

Education

Bachelor of technology in Computer Science And Engineering, 12/2020 – present
National Institute of Technology,Goa Ponda, India
CGPA: 8.75/10

Higher Secondary Education Class 12, *Mustifund Aryan Higher Secondary ,Cujira ,Goa* 2018 – 2020
Board Percentage: 81.50 % Cujira, India

Secondary Education Class 10, *Mahila And Nutan English High School ,Margao ,Goa* 2008 – 2018
Board Percentage: 93.66% Margao,Goa, India

Skills

Programming Languages:
C/C++, C#, HTML, CSS, JavaScript, TypeScript, Python

Softwares:
Visual Studio code, Eclipse, Matlab, Unity, PyCharm, Jupyter Notebook/Lab

Database Analysis And Management:
Oracle, MongoDB, PostgreSQL, Microsoft Excel(Macros and VBI)

Frameworks:
Node.js, ReactJS, Express, TailwindCSS, Bootstrap, TensorFlow

Certificates

Supervised Machine Learning: Regression and Classification
Issued By : Stanford University

Python Programming Bootcamp
Issued By : Udemy

Rest API (Intermediate)
Issued By : HackerRank

Projects

Frontend For TopTrip.In 06/2021 – present

- Frontend Design Ideation and Development of Website for TopTrip.in ,a goan Based Startup Idea.
- Includes Map Rendering Service Using Google Maps, Input Forms along with Validation, Authentication Page and Services.

Face Recognition System (BitNaysh) : 08/2021 – 09/2021

- A Web App using a Machine Learning Model to identify the picture given by the user and establish identity of the person and give required information about person/suspect.
- Runs with Hidden Markov Model to get facial match. Uses A optimised Database design And A optimised query system.The system was faster then pre-existing systems by factor of 200%.

Machine Learning Tools 01/2022 – present

- Text summeriser: The model analyzes and summarizes text content, allowing for the efficient extraction information from lengthy documents.
- Heart Failure Predictor: Provides a risk factor based on the dataframe of patient (height, weight, age, cholestrol levels). Trained Using 1198 record of different people across India

Chatbot using Java GUI and swing : 01/2021 – 05/2021

- Chatbot using Java GUI and swing:This Chatbot Has fuctionalities Such as : displaying images based on user, playing a music, jokes,etc.
- Improves capabilities and user experience using Reinforced Learning Algoritms.

Awards

3rd Place in Goa Police Hackathon for Improvised Face Recognition System, 2022

Goa Police Department

- The described system utilizes OpenCV, an open-source computer vision library, to capture a live feed or image of a person.
- The system then applies a Hidden Markov Model (HMM) to perform facial recognition on the captured image. The HMM algorithm analyzes the features of the face and compares them to the faces stored in a MongoDB database.

6th Rank at Science Talent Search Examination, 2019

State Council of Educational Research and Training ,Goa

- Awarded For Excellent performance in the Science Talent Search Examination conducted by State Council of Educational Research and Training ,Goa

24th AIR at National Computer Intelligence Olympiad, 2016

Central Board of Information Technology

- Preliminary Round : Secured Gold Medal for state of Goa, selected for National level Olympiad.
- Final Round : Secured 24th rank at National Olympiad.

Languages

English ●●●●●

Hindi ●●●●○

Marathi ●●●●○