

Harshit Mishra

-Final year Student

+91 7424821651
20bec017@gmail.com
connect-Harshit
HARSHITMISHRA655
Jaipur, Rajasthan, India

About Me

"Passionate about innovation and driven by a hunger for learning, i am deeply dedicated to enhancing user experiences and delivering software solutions that transcend expectations. As a tenacious problem solver, I relish the opportunity to tackle intricate challenges and engineer seamless, efficient, and elegant solutions."

Coding Languages

C++ Python JavaScript

Solidity

Skills

DSA Computer Networks

Operating System DBMS

Oops React Node.js

Express Redux Tailwind

MongoDB Firebase

Heroku Machine Learning

Deep Learning NLP Git

Education

Indian Institute of Information Technology, Dharwad CGPA: 8.07/10
Electronics and Communication Engineering (4th year) Sept 2023 - Present

Experience

AICTE

Machine Learning Intern

June 2023 - On going

- Employed K-means clustering to analyze collected data, successfully generating 7 clusters, aligning with the theoretical basis of 3 doshas and validating the accuracy of the approach.
- Collaborated closely with the app development team to devise a novel method of capturing PPG signals via the back camera, enabling real-time heart rate analysis for predicting the percentage of tridosha within an individual.
- Currently working on speech analysis, pioneering a technique to ascertain vocal qualities such as creakiness, harshness, and smoothness, with the goal of predicting tridosha distribution in real time.

Suraksha One

Full Stack Developer Intern

June 2023 - August 2023

- Suraksha One is a startup in health industry which is addressing the need for immediate financial support during medical emergencies for individuals who are uninsured, have policies without cashless treatment services, or face delays in insurance claim approvals.
- Participated in code reviews, and proposed improved coding conventions resulting in an 80% increase in codebase quality.
- Used React, Redux, Node.js, Express, and MongoDB.

Indian Knowledge System

Machine Learning Intern

July 2022 - Sep 2022

- Worked with a cross-functional team in a research environment.
- Developed a Machine Learning model which gives a person's personality traits and psychology using palm features such as palm size, palm lines, etc.
- Used Python, Machine learning, Deep learning.

Projects

MediXTrans

DEMO Academic project

- Created MediXTrans, a MERN web app for efficient medical documentation. Enabled real-time patient data recording with precise medical term transcription via Hugging Face's Speech-to-text API. Employed Named Entity Recognition for comprehensive report analysis.
- Led backend development, including authentication, seamless integration with Speech-to-text API, and support for multiple audio file formats. Optimized the documentation process by enabling efficient report downloading and sending to patients, significantly reducing the workload for medical professionals.

CollabHub

DEMO Personal project

- Developed a web-based platform called "CollabHub" to address the challenge of finding project partners with similar interests and skills, enabling developers to collaborate and contribute to meaningful projects more efficiently and effectively.
- Utilized ReactJS for frontend, NodeJS and ExpressJS for backend, and MongoDB for the database to create a user-friendly interface that allows users to create a profile, search for projects based on their interests, and connect with other users.