

Arya Vinayak R

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Bachelor of Technology

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GitHub Profile

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EDUCATION

•PES University Ring Road Campus ,Bangalore

2021-25

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.3

•Bishop Cotton Boys' School

2019

Indian Certificate of Secondary Education(I.C.S.E)

Percentage: 91

PERSONAL PROJECTS

•Eval AI - Automated Answer Sheet Evaluation

September 2023

An innovative system for automated answer sheet evaluation

- Utilized Cloud Vision API (Google Cloud Platform) for image-to-text conversion.
- Employed NLP models, including BERT for keyword extraction and BART for summarization.
- Developed a user-friendly web application using Next.js and Python FastAPI for easy answer sheet upload and automated evaluation.
- Displayed marks, summaries, and handwriting recognition output to facilitate manual evaluation.
- Technology Used: Google Cloud Platform, BERT, BART, Next.js, Python FastAPI.

•MindfulMove

Jan - Feb 2023

An AI Personal trainer for detecting Yoga postures using Mediapipe BlazePose Model and LSTM Neural Network

- Integrates OpenCv feed to MediaPipe's model to draw keypoints real-time.
- Designed an LSTM Neural Network for predicting posture.
- Technology Used: OpenCV, Flask, Mediapipe, Neural Networks, TensorFlow, Python.

•Markdown Note-Making App

Aug 2023

A simple Markdown note-making app with React front-end and Firebase back-end

- Create and edit notes using Markdown syntax.
- Live preview of the Markdown content.
- Firebase backend for storing notes.
- Technology Used: React JS, Firebase, Vite JS.

Workout Webapp

Nov - Dec 2022

A simple web app for tracking exercises using the MERN stack

- Exercise Tracking: Users can add exercise records, including details such as exercise type, duration, sets, and reps.
- Backend API: Created a RESTful API using Express.js and Node.js to handle requests for managing exercise records.
- Database Integration: Used MongoDB to store user profiles and exercise data, ensuring efficient data retrieval and storage.
- Technology Used: MongoDB, Express, React, Node.js

EXPERIENCE

•CIE Internship

May - July 2023

Skills developed

Offline

- In-depth understanding of Convolutional U-Net models and Generative AI
- Strong knowledge of architectural best practices, such as TensorFlow ,PyTorch, performance,ConvNets
- Took various Certifications on Machine Learning and DeepLearning courses by Andrew NG
- Worked on a Intel Problem statement on Synthetic Image Generation
- Replaced the Traditional Unet model to a Full-Resolution Unet Model

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript,TypeScript, HTML+CSS

Libraries : C++ STL, Python Libraries, React JS,Next JS,Tensorflow,PyTorch

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: ReactJs , Next JS

Cloud/Databases:MongoDb,Firestore,Hadoop

Areas of Interest: Artificial Intelligence and Machine Learning, Big Data,Data Analytics and Web development.

Soft Skills: Problem Solving, Self-learning, Adaptability