Raghav Vinayak Dadhich

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in Raghav Vinayak Dadhich

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📅 2002/05/24

Profile

With a passion for learning, I am eager to explore new domains and technologies to further enhance my skills and contribute to projects. I am a dedicated team player with strong problem-solving abilities, and I am committed to delivering high-quality results promptly.

Education

B.Tech in Information Technology
Vellore Institute of Technology
2020/09 – 2024/07 | Vellore
CGPA - 8.43

Senior Secondary Education
Delhi Public School
2013/10 – 2019/05 | Bahadurgarh
XIIth - 82.6%

Projects

Website Activity Tracker ☑
2022/07 – 2022/08
- Tech Stack used: HTML, CSS, JS for Front-end and Django, Chrome Extension API, and MySQL for Back-end.
- The Project tracks the time, a user spends on a website. The Tracked details are further categorized and analyzed to deduce the actual time spent on work/leisure.

Image Enhancement and Modification using Deep Learning
2022/04 – 2022/05
- The model's Features are Image Morphing, Style Transfer, and Image Quality Restoration.
- GAN was used to perform Image Morphing, Style transfer, and Image restoration using CNN.

YouTube Video Clickbait Classification ☑
2023/03 – 2023/04
- Employed various neural networks (LSTM for comments and title, ResNet for thumbnail) for the classification of YouTube videos into clickbait and non-clickbait categories.
- Developed a Chrome extension that utilized these neural networks to analyze video titles, integrated YouTube Data API for additional information retrieval.

Certificates

Neural Networks and Deep Learning ☑
DeepLearning.AI

Professional Experience

Research Intern
IIT Madras (Uplink Internship Program) ☑
2023/05 – 2023/07 | Chennai
- Worked on Feature Learning and visualization in U-Nets for segmentation.
- Implemented U-Net for shape segmentation to understand the bottleneck layer filters' behavior.

Computer Vision Intern
Point Zero Solutions ☑
2022/12 – 2023/03 | Vellore
- Developed a system for vehicle and parking spot detection using YOLO and OpenCV. Preprocessed frames to enhance accuracy and implemented OCR for license plate recognition with Tesseract-OCR.
- Integrated Raspberry Pi with parking lot cameras, enabling real-time video feed analysis, and leveraged Google Drive API to store and manage the live frames using automation.

Flask Intern
Papersdrop ☑
2022/10 – 2022/12 | Remote
- Implemented robust user authentication and authorization system using JWT, Flask, and MongoDB, ensuring secure access and data protection.
- Developed and managed MVP Back-end APIs and deployed the same. integrated pre-built APIs into the MVP Backend.

Skills

Languages: (C/C++, JAVA, Python, Javascript)

Frameworks/Libraries: (Django, Flask, NodeJS, Sci-kit, Tensorflow, PyTorch, ExpressJS, Selenium)

Databases: (MySQL, MongoDB, Oracle SQL)

Softwares/Tools/Platforms: (PowerBI, Docker)

Organizations

Mozilla Firefox Club
Projects Team
2022/03 – 2024/05

Co - lead of Task Team at Omdena ☑
2022/09 – 2022/11