HRITIK MAJGAONKAR

📞 +91 9518313727   @ hritikmajgaonkar12@gmail.com   🔗 linkedin.com/in/hritik-majgaonkar   🔗 github.com/hri-tick

WORK EXPERIENCE

Software Developer

Geospatial Design Labs   📅 11/2022 - Present   📍 Nashik, India

- Developed a remote sensing application to download spatio-temporal data from sentinel-hub for different sources .
- Employed a strategic feature engineering approach to achieve a substantial efficiency improvement in the pre-existing model, resulting in a remarkable enhancement of its overall performance by **7%.**
- Managed a team of **20 interns** for engagements such as training in exploratory data analysis(EDA), ML, feature engineering, full-stack development.
- Using remote sensing and GIS, I devised a process to efficiently use precision crop monitoring, enhancing data-driven decision-making to optimize agricultural processes.

User Experience Designer

Ogee Studio   📅 05/2022 - 09/2022   📍 Santa Clara, USA

- Worked on UI-UX design for security and networking products, to create an intuitive firewall management interface.
- Engaged with security-focused clients, crafting intuitive software solutions that elevated user satisfaction by **10%.**
- Redesigned a key product's interface using Figma and Adobe XD, leading to a **20%** increase in user interaction and rise in user actions like sign-ups within three months.

Data Science and Project Intern

Armstrong Dematic   📅 08/2021 - 05/2022   📍 Nashik, India

- Utilized actual conveyor data to design and implement predictive models, achieving successful outcome forecasting and enhancing process efficiency to a remarkable **99.2%.**
- Facilitated cross-functional collaboration, gaining a profound understanding of distinct project life cycles in various departments, and honed expertise in risk management.

Machine Learning Intern

Cognifront   📅 05/2019 - 06/2019   📍 Nashik, India

- Developed proficiency in data manipulation using Pandas, NumPy, and TensorFlow, and applied this knowledge to contribute to a data analysis projects that generated valuable insights.

SKILLS

Python	SQL	ML & DL	EDA	Remote Sensing

Computer Vision	Statistics	meticulousness	Critical Thinking

LEADERSHIP ROLES

- Conducted Training Session on AI-ML @ Armstrong Dematic.
- Publicity Secreatary - Students Council @ VIT, Pune.
- Content & Social Media Secreatary - MESA @ VIT, Pune

EDUCATION

B. Tech (Mechanical Engineering)

Vishwakarma Institute of Technology

📅 2018 - 2022   📍 Pune

- CGPA - 8.1

Honors in Artificial Intelligence & Data Analytics

Vishwakarma Institute Of Technology

📅 2018 - 2022   📍 Pune

- CGPA - 8.8

PROJECTS

Crop Identification using ML/DL

- Engineered vital features from satellite imagery data, enhancing machine learning models through data augmentation, resampling techniques, and dynamic time warping (DTW) for improved prediction accuracy
- Additionally, developed and trained RNN and random forest models for precise crop classification using spatio-temporal data

Change Detection via Remote Sensing

- Conducted change detection assessments using remote sensing indices (NDVI, NDWI, NCI, Reverse NDVI) to analyze shifts in vegetation health and urban development patterns.
- Integrated change detection results with goegraphic information systems (GIS) for spatial context, while researching U-Net and DeepLab for robust semantic segmentation.

Cats vs Dogs using CNN

- Crafted a unique image analysis CNN with the help of VGG16 as a starting point, making training quicker and performance better.
- Tweaked model settings and experimented with different options to achieve a remarkable 96% improvement in how well the model works.

ACHIEVEMENTS

Published Paper in IRJET : A Survey on Orientation of People Towards Electric Vehicles and Conventional Vehicles

Finalist @ Engineering Development and Innovation (VIT, Pune) - Reinforcement and Amplification of Powerhouse Coaster