Yagyeshz Vishnoi

+91 9541425752 | yagyeshvishnoi11@gmail.com | LinkedIn | GitHub | Portfolio | Leetcode

EDUCATION

Vellore Institute of Technology Bhopal
Bachelor of Technology in Computer Science &Technology (CGPA-8.82)   *Sep 2022 – May 2026*

DPS Udhampur (12th (87%) & 10th (90%))   *April 2018 – July 2022*

WORK EXPERIENCE

Technology Intern   *Feb 2025 – currently*
Hawkswave Technology Pvt Ltd

- As Worked on a project developing Ultra-Wideband Signal Processing using Python.
- Developed the frontend for this software using the PyQt framework.
- Collaborated with a team to integrate backend computations with the user interface for a seamless experience.

Club Member   *Oct 2022 – Oct 2023*
Microsoft Technical Club VITB
- As the part of the technical club's 100-200 members, we collaborate with volunteer teams.
- To enrich the technical club, had the chance to contribute to the core team across 7 domains, offering our expertise and skills.

PROJECTS

Harvest Hub | Python, CNN, Random Forest, XGBoost, YOLO, AWS, React   *Feb 2025*

- Developed a web-based agricultural platform integrating three models:
- Yield Prediction – Predicted crop yield using historical data with models like Linear Regression, Random Forest, and XGBoost (94% accuracy).
- Crop Recommendation – Suggested optimal crops based on soil nutrients and climate conditions using KNN, SVM, and XGBoost (95% accuracy).
- Disease Detection – Trained a CNN on 70,000 images for early disease detection and treatment recommendations (92% accuracy).
- Deployed models on AWS EC2 with a React frontend for seamless user interaction.

Criminal Recognition System | Python, MTCNN, Xception, SVM, Tensorflow(on Linux)   *Jan 2024*

- Trained on a 1000-person image database using MTCNN for face detection and Xception for feature extraction, building an SVM model.
- Achieved a 1-result accuracy of 96% and a 3-result accuracy of 98%.
- Deployed a website where users can upload an image to check if the person is a criminal and retrieve the criminal's records.
- Worked as a team lead, responsible for model training, testing, and backend development.

ASL_Translator | *Python, CVzone, Google Keras, NumPy (Group Project -5 Members)*   *Aug2023*
Led Data Collection and Training of AI model.
- Spearheaded the data collection and training phase of a group project focused on developing a real-time American Sign Language (ASL) translator using the CVZone library and NumPy.
- Assembled a dataset comprising 7800 images to train the AI model, ensuring comprehensive coverage of ASL gestures for robust recognition.
- Led the training process of the AI model, fine-tuning parameters to achieve an impressive efficiency rate of 88% in real-time ASL interpretation.

SKILLS & CERTIFICATIONS

Field: Full Stack Developer, Backend (Express.js, Node.js, SQL) Frontend (React.js, CSS, HTML)
Programming Languages: JavaScript, C++, Python, Java
Frameworks: Express.js, Node.js, React.js, MongoDB
Developer Tools: AWS, Git, GitHub, Postman, Heroku, Chrome for Developers, Windows, Linux
Certifications: AWS Certified Cloud Practitioner (CLF-C02)
                The Complete 2024 Web Development Bootcamp by Angela Yu
                The Bits and Bytes of Computer Networking by Google Certification