

SUDHANVA BHARADWAJ

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OBJECTIVE

Proactive 20 year old with a keen interest in problem solving.

EDUCATION

B.E. in Artificial Intelligence and Machine Learning, B.M.S. College of Engineering 2022 - 2026 (9.5 CGPA)
Pre - University College, Deeksha CFL PU College 2020 - 2022 (91%)
Class 10, CBSE, Global Academy for Learning 2020 (94%)

SKILLS

Technical Skills	Python, JavaScript, NodeJS, Pandas, PostgreSQL, Scikit-Learn, Tensorflow, Git
Soft Skills	Leadership, Problem Solving, Adaptability, Critical Thinking

PROJECTS

Mathematical Expression Recognition.

- Developed a model to recognize handwritten mathematical expressions and convert them into LaTeX format.
- The system utilizes a ResNet to extract feature vectors of from images and an LSTM to decode the 128 x 32 feature vector into LaTeX expressions.
- Trained on 10,000 samples with calculus expressions.

Astronomy Picture of the Day.

- A simple website using Express and Node.js with the Axios HTTP client that integrates the NASA APOD(Astronomy Picture of the Day) API.
- Used the TypeIt Utility to create a cool typing animation.

End to End Kidney Disease Classification.

- Built an end-to-end kidney disease classification system using CT scan images, achieving 80% accuracy with VGG16-based transfer learning, and integrated MLflow, DVC, and Docker for full MLOps support.
- Deployed a Flask web app for real-time predictions with CI/CD using GitHub Actions and scalable cloud deployment on AWS EC2 and ECR.

CERTIFICATIONS

- **The Complete 2024 Web Development Bootcamp by Angela Yu on Udemy**
- **Complete Machine Learning, NLP Bootcamp, MLOPS & Deployment by Krish Naik on Udemy** (Ongoing)
- **100 Days of Code: The Complete Python Pro Bootcamp by Angela Yu on Udemy** (Ongoing)

CO-CURRICULAR ACTIVITIES

- Active volunteer for the department Club for various college fests and programmes.
- Participating in e-Yantra Robotics Competition 2024, a national level Robotics competition under the theme 'Warehouse Drone' and advanced to Stage 2.
- Won 2nd place at Vipra Cup 2023, a Badminton Open Tournament

LEADERSHIP

- The Club Coordinator for Gradient Student Club, the AI&ML department Student Club. My responsibilities involve leading the club in conducting various events like Workshops and Hackathons.