Vishal Pattar

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EDUCATION

P.E.S. Modern College of Engineering   Pune, Maharashtra
B.E. in Artificial Intelligence and Machine Learning   Graduation: May 2025
CGPA:9.00/10.00

PERSONAL PROJECTS

"AI-Smart Diagnosis" - A deep Learning Model   (02/2023 - 07/2023)
- Developed an AI-based deep learning model for critical disease classification using CT-Scan and X-ray images.
- Specializes in Kidney, Brain Tumor, Lungs, and Tuberculosis-related disease classification.
- Trained on 40,000+ diverse disease images.
- Developed with TensorFlow and Python for medical image analysis.
- Successfully deployed as a Telegram Bot.

"Deep-Hand" - A hand gesture recognition model.   (06/2023 - 09/2023)
- Employs Deep Learning and Computer Vision to interpret and respond accurately to human hand gestures.
- Applicable in diverse scenarios such as gaming, sign language communication, and device control.

"DeepFace" - Facial Attribute Recognition Model.   (08/2023 - present)
- Utilized for precise classification of face images by gender, emotions, and age.
- Serves as a classification-based model for recognizing the seven distinct emotions of human beings.

Stanford Dog Breed Classification Model   (08/2023 - 09/2023)
- Employed for the accurate classification of dog breeds based on their images.
- Involves advanced image processing tasks.
- Considered over 120 different types of dog breeds for comprehensive classification.

KuizApp   (05/2022 - 08/2022)
- A simple website for playing quiz games made using PHP, MySQL, HTML, CSS and Javascript.

YouTube Clone   (04/2022 - 08/2022)
- Made using HTML, CSS and Javascript.

VIRTUAL INTERNSHIPS

AWS Cloud Virtual Internship, *Eduskills*   (07/2023)
- Acquired fundamental knowledge in cloud computing.
- Gained insight into essential components such as Compute, Database, Storage, Networking, and Security.
- Developed hands-on experience through AWS-provided labs.

AWS AIML Virtual Internship, *Eduskills*   (11/2023)
- Attained proficiency in Machine Learning Foundation within AWS.
- Explored diverse technologies including OpenCV, Natural Language Processing, Forecasting, etc.
- Applied theoretical knowledge through hands-on labs using Amazon SageMaker provided by AWS.

CERTIFICATIONS

- **Cloud Computing**, *NPTEL* (05/2023)
  Grade: Elite
- **Ethical Hacking**, *NPTEL* (12/2023)
  Grade: Elite with Silver Medal

SKILLS

- **Programming Languages:** Python, Javascript, Cpp, C, Java, PHP, HTML, CSS
- **Databases:** MySQL, MongoDB, SQLite
- **Languages:** English, Kannada, Hindi, Marathi
- **Technologies:** Machine Learning, Deep Learning, Computer Vision, Cloud Computing, Git and Github, MERN Stack, Arduino Programming.
- **Frameworks:** TensorFlow, Flask, Flet, Scikit-Learn

STUDENT CHAPTERS

Google Students Developer Club, *AIML Domain Lead* (08/2023 - present)

- Integral part of a globally recognized college-level club.
- Responsible for overseeing AIML-related technologies.
- Actively involved in teaching and guiding fellow students within the college community.

CoDE Club of AIML, *Tech Lead* (10/2023 - present)

- Member of a departmental-level club with a focus on comprehensive technical education.
- Instructing various technical stacks ranging from web development to cutting-edge AI technologies.
- Organizing and facilitating hackathons and competitions to introduce novel concepts in recent technologies to fellow students.

PUBLICATIONS

Transforming Healthcare: A Paradigm Shift through AI-Smart Diagnosis (02/2023 - 07/2023)

International Journal of All Research Education and Scientific Methods (IJARESM)

- Published a research paper on the AI-Smart Diagnosis project in a UGC certified journal.
- Provided a comprehensive analysis of the implementation of Image Processing and Deep Learning in the project.
- The paper can be accessed at ijaresm.com/uploaded_files/document_file/Vishal_PattargZSc.pdf.