Abhijeet Singh

+91-9335498475
Bachelor of Technology
MIT World Peace University
Leetcode
abhis6102003@gmail.com
GitHub Profile
LinkedIn Profile
Hugging Face

Education

- **Bachelor of Technology in Computer Science and Engineering** Aug 2021 - Present
  MIT World Peace University , Pune

Projects

- **Car Number Plate Detection, ML** GithubLink

  Designed a real-time number plate detection system, enhancing precision by 85% and reducing processing time by 40%

  – Utilized SSD MobileNetV2, TensorFlow, CUDA, and EasyOCR to achieve real-time performance at 60 frames per second (FPS) and improve processing speed by 40%.
  – Used a dataset comprising over 500 Indian car number plate images.
  – Attained a remarkable accuracy rate of 93% in detecting number plates.

- **Brain Tumor Detection, ML** GithubLink

  A model for real-time brain tumor detection using MRI scans with high accuracy and efficiency.

  – Trained a YOLOv10 model on 1,500 brain MRI images, achieving 85% accuracy in detecting brain tumors.
  – Achieved real-time tumor detection with a processing speed of 2ms per image, enabling swift diagnostic support.
  – Optimized the model for high precision and recall, ensuring accurate identification of tumor boundaries.
  – Streamlined data preprocessing and annotation workflows, reducing training time by 25% and enhancing model deployment efficiency.

- **FaangCode – Coding Practice Platform, Fullstack** Website

  Coding platform with 5K+ problems, compiler, and company-wise tracking.

  – Developed a scalable coding platform hosting 5,000+ coding problems categorized by 60+ tech companies.
  – Implemented user authentication and progress tracking, enabling personalized dashboards for users.

Experience

- **ML Research Internship , ISRO** Jul 2024 - Nov 2024
  New Delhi

  – Developed and deployed machine learning models, achieving 88% prediction accuracy for Plant Area Index and Biomass using satellite data.
  – Created a Python-based GUI desktop application that allowed users to select machine learning models and visualize prediction results through interactive graphs, enhancing model usability.
  – Automated model deployment processes, improving workflow efficiency by 35% and enabling real-time satellite data processing.
  – Enhanced research capabilities by integrating advanced algorithms, optimizing prediction accuracy, and streamlining operations in a cloud-based environment.

Skills

- **Languages:** C++, Python, HTML5, JavaScript, CSS.
- **Frameworks and Libraries:** TensorFlow, ReactJS, Bootstrap, NumPy, Pandas, NextJS.
- **Databases:** MySQL, MongoDB.
- **Tools:** Jupyter Notebook, PyCharm, Git.
- **Relevant Coursework:** Data Structures & Algorithms, AI/ML, Blockchain , NLP.
- **Mathematical Skills:** Statistics, Probability, Linear Regression, Integration, Differentiation.
- **Soft Skills:** Leadership, Teamwork, Self-learning, Versatility, Managerial Acumen.

Achievements

- **Actively participated in the prestigious Smart India Hackathon, securing the 3rd position.** *Sep 2023*
- **Secured Global ranking : 199, October long challenge on CodeChef** *Oct 2023*
- **Rated 1461 on CodeChef and 1600+ on LeetCode** *Jun 2024*
- **5th Place, MURF AI Hackathon 2025 – Won 50K Murf API credits** *Jun 2025*
- **Solved over 300 problems on Codechef and LeetCode.** *Jun 2025*