PRATHAM MATKAR

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Skills

Programming - Python, C/C++, Java, Lua, Tailwind, JavaScript, PHP, R, Dart.
Database - Firebase, MySQL, MongoDB.
Frameworks - React JS, Node JS, Flutter, Express.
Tools -Git/GitHub, Power BI, BitBucket, Tableau.

Experience

Web Developer Intern - Rhyno Wheels Private Limited   March 2024 - Sept 2024
- Crafted the company's official website from scratch, with the latest tech stack, reducing load times by 15% and improving user engagement up to 3X.
- Performed daily tasks including deployment, site optimization, and SEO.
- Skills - React JS, AWS, SEO.

R & D Intern - Indrones Solution Private Limited   May 2024 - July 2024
- Designed and implemented software solutions to enhance drone operations, reducing latency by 50% through streamlining processes.
- Implemented core scripts for faster drone operations saving 90% of actual time.
- Collaborated within an agile environment alongside teammates on development projects.
- Skills - Python, Lua, BitBucket, AWS, HTML, CSS, Node JS.

Frontend Developer Intern - Atican Labs Private Limited   Dec 2023 - Jan 2024
Full Stack Web Developer Intern - The Fast Way   Jan 2023 - June 2023

Projects

Lung Cancer Detection Model Using CNN   [Link](#)
- Developed a lung cancer detection model using Convolutional Neural Networks (CNN) to classify medical images into Malignant, Benign, and Normal cases with over 90% accuracy.
- The model was trained using a dataset of 400 X-ray images and was tested for 100 samples.
- I also presented the project as a hands-on activity at IEEE VESIT's ML Workshop.
- Skills -Python, Scikit - learn, Pandas, Numpy, Matplotlib, Keras, Tensorflow.

Crop Disease Prediction Model Using MobileNet   [Link](#)
- Developed a crop disease prediction model using a pre-trained model, MobileNet (a CNN-based model).
- The used dataset had 38 classes of diseases, with over 1700 images per class. It was tested with over 50 images and achieved an accuracy of over 85%.
- I also presented the project as a hands-on activity at IEEE VESIT's ML Workshop.
- Skills -Python, Numpy, Matplotlib, Tensorflow, Kaggle.

Mars - NASA API Integration   [Link](#)
- Interactive web app to access Original Martian Images captured by Curiosity Rover in its 12+ years of exploration at Mars.
- Integrated NASA's API to fetch images from 6+ cameras on the Curiosity Rover with a custom date filter.
- Skills - React JS, Tailwind, NASA's API.

Education

B.E. Artificial Intelligence & Data Science - 8.5 CGPI
Vivekanand Education Society's Institute of Technology   Sept 2023 - June 2026
Diploma Of Engineering in Information Technology - 89.33%
Government Polytechnic Mumbai   Jan 2021 - June 2023

Responsibilities

Jr. Web Editor - VESIT - IEEE (Institute of Electrical and Electronics Engineering)
- Led and organized 5+ workshops on trending technologies like Machine Learning, UI/UX development, and Building own Personal Computers in collaboration with HP.
- Managed the IEEE - VESIT website and reduced maintenance and update times by nearly 50%.