

Aditya Gupta

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Profile

Aspiring AI and Full Stack Developer with a strong foundation in developing intelligent systems and web applications. Possess extensive experience in leveraging cutting-edge technologies to design and implement solutions in artificial intelligence and machine learning. Highly motivated to innovate and contribute to impactful projects that drive technological advancements.

Areas of Expertise

machine learning , deeep learning , artificial intelligence , full stack development

Professional Experience

Machine Learning Research Intern

Parul university 01/2024 - present

- Pioneered text-to-image generation using stable diffusion techniques.
- Participated in data collection, preprocessing and analysis using Python, PyTorch or other relevant tools.
- Contributed to writing research papers and reports.

PU Code Hackathon

Parul University 03/2024 - 12/2024

- Developed a web application using Python, Flask, and MongoDB to predict diabetes, lung cancer, heart disease, and COVID-19 based on user inputs.
- Trained and integrated machine learning models (TensorFlow, Keras, Scikit-learn) with high accuracy and precision.
- Enabled early disease detection and facilitated timely medical consultations through a user-friendly interface.

Parul Let's Hack,

Parul University 05/2023 - 05/2023

- Using the PyTorch Deep Learning Framework Designed to improve safety of Drivers.
- Convolutional neural networks (CNNs) to capture intricate patterns in chest X-ray images.
- Optimized model hyperparameters for accurate tuberculosis identification.

Projects

Tuberculosis-Detector

- Using the PyTorch Deep Learning Framework Designed to improve safety of Drivers.
- Convolutional neural networks (CNNs) to capture intricate patterns in chest X-ray images.
- Optimized model hyperparameters for accurate tuberculosis identification.

Multiple disease Detection System

- Developed a web application using Python, Flask, and MongoDB to predict diabetes, lung cancer, heart disease, and COVID-19 based on user inputs.
- Trained and integrated machine learning models (TensorFlow, Keras, Scikit-learn) with high accuracy and precision.
- Enabled early disease detection and facilitated timely medical consultations through a user-friendly interface.

CodeBlog

- Share expertise and insights on CodeBlog, a dynamic codeblogging platform featuring blogs, code snippets, and community rankings. Contribute valuable content, including articles, tutorials, and code snippets, to enrich the programming community.
- Empower fellow coders by sharing knowledge, tips, and best practices on CodeBolg.
- Enhance visibility and recognition through hashtag-driven categorization and community rankings.

Online Courses & Certifications

- DeeplearnigAI – Machine Learning Specialization (Dec. 2024) - [Coursera](#)
- Microsoft- Built a natural language processing solution with azure AI language (Feb. 2024) - [Microsoft](#)
- Introduction to Machine learning (May. 2024) - [NPTEL](#)
- Software Engineering (oct. 2023) - [NPTEL](#)

- The complete python developers (sept. 2023) - [Udemy](#)
- Data Visualization (April. 2013) - [Udemy](#)

Education

B.Tech Computer Science with Artificial Intelligence [Parul University](#)

Vadodara, Gujarat 2021-2025

CGPA-8.52

Higher Secondary [United Alpha Sr. Sec. School](#)

Neemuch, MP 2020-2021

Xii-88

Senior Secondary [United Alpha Sr. Sec. School](#)

Neemuch, MP 2018-2019

Xii-87.6

Skills

Machine Learning : Data Visualization ,Scikit-Learn,Matplotlib, Numpy , Pandas , Seaborn ,Keras , Tensorflow , Nlp,Flask , Streamit

Web Development :HTML, Css , Javascript, Node.js , MongoDB

Soft Skills : Problem Solving, Communication, Teamwork, Active Listening, Adaptability, Time Management ,Collaboration ,Analytical Thinking

Languages

• English

• Hindi