

# Aditya Gupta

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<https://github.com/Adityagupta930>

## Profile

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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

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

## Professional Experience

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### 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

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### 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 CodeBlog.
- Enhance visibility and recognition through hashtag-driven categorization and community rankings.

## Online Courses & Certifications

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- DeepLearnigAI – Machine Learning Specialization (Dec. 2024) - [Coursera](#)
- Microsoft- Built a natural language processing solution with azure AI language (Feb. 2024) – [Microsoft](#)
- Microsoft Certified: Azure AI-900 Fundamental - [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

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<b>B.Tech Computer Science with Artificial Intelligence</b> <a href="#">Parul University</a>	<b>Vadodara, Gujarat</b> 2021-2025
CGPA-8.52	
<b>Higher Secondary</b> <a href="#">United Alpha Sr. Sec. School</a>	<b>Neemuch, MP</b> 2020-2021
Xii-88	
<b>Senior Secondary</b> <a href="#">United Alpha Sr. Sec. School</a>	<b>Neemuch, MP</b> 2018-2019
Xii-87.6	

## Skills

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**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

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- English
- Hindi