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.

# Education

**B.Tech Computer Science with Artificial Intelligence** *Parul University* **Vadodara, Gujarat** *2021-2025*

CGPA-8.56

**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

# Areas of Expertise

Machine Learning , Deep Learning ,Data Analysis, Data Visualization, MERN Stack

# Professional Experience

**Machine Learning Research Intern (***bytexl****)* 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** *(PU 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, (***Pu Hackathon)* **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 code blogging 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
* 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

# Skills

• **Machine Learning :** Scikit-learn, Keras, TensorFlow

• **Data Analysis and Visualization :** NumPy, Pandas, Matplotlib ,Seaborn

• **Coding Languages:** Python, Javascript

• **Technologies:** HTML5, CSS, Bootstrap, Git, Github, MySQL, MongoDB, Node.js, Express.js, React.js

• **soft Skills :** Problem Solving, Communication, Teamwork, Active Listening, Adaptability, Time Management ,

Collabora- tion ,Analytical Thinking

# Languages

* **English** • **Hindi**