

# ARPIT JAIN

+91 8955228610   arpitj724@gmail.com   🏠 Udaipur, India  
📧 [in/Arpit jain](#)   🐙 [github.com/Arpit Jain](#)   </> [Codechef/Arpit Jain](#)

## Summary

---

Enthusiastic and dedicated programmer with proficiency in C++ and Python. Passionate about Artificial Intelligence and Machine Learning, seeking opportunities to apply technical skills and contribute to innovative projects. Strong problem-solving abilities and a keen interest in learning new technologies and methodologies.

## Education

---

**B.Tech Computer Science specialization in Artificial Intelligence** [Parul University](#)   **Vadodara, Gujarat 2021-2025**

Relevant Courses: Machine Learning, Software and Hardware, Data Structures and Algorithm, C++, Python

**CGPA - 7.90**

**Higher Secondary School Certificate** [Nalanda Academy](#)

**Kota, Rajasthan 2020-2021**

Relevant Courses: Physics, Chemistry, Maths, English.

**XII - 72%**

## Professional Experience

---

**AI Vision (Frontend Developer)**

**Vadodara, Gujarat 11/2023 - 05/2024**

- Integrated the AI Vision system with existing healthcare infrastructure, enabling seamless data exchange and real-time diagnostic capabilities.
- Conducted rigorous testing and validation to ensure the model's accuracy, sensitivity, and specificity in disease detection across multiple medical conditions.
- Implement machine learning algorithms and deep learning models, including CNNs, for medical image analysis and disease classification.

**PU Code Hackathon**

**Vadodara, Gujarat 03/2024**

- We demonstrated adept problem-solving skills and collaborative teamwork in developing innovative solutions within a competitive environment.
- Contributed team, leveraging technical expertise to address challenges and deliver creative software solutions, showcasing adaptability and creativity.

## Projects

---

**ATM Machine**

- Developed an ATM Machine software system in C++ incorporating Object-Oriented Programming (OOP) principles and Data Structures and Algorithms (DSA) concepts.
- The system allows users to perform various banking operations such as depositing money, withdrawing money, entering a PIN, and checking balance. OOP concepts like classes, objects, and inheritance to model different aspects of the ATM functionality.
- Ensured data security and integrity by incorporating encryption algorithms for sensitive information like PINs.
- Skills : C++, OOPs, DSA

**Hostel Management System**

- Designed and developed the user interface using HTML and CSS, ensuring a user-friendly experience.
- Implemented dynamic features such as real-time updates and interactive elements using JavaScript.
- Integrated Django framework to manage database operations, user authentication, and overall system functionality.
- Implemented features such as room allocation, student registration, attendance tracking, and fee management to automate administrative processes.
- Skills : HTML, CSS, Javascript, Django

## AI Vision

- Developed an advanced disease detection system leveraging machine learning, deep learning, and CNN technology to analyze patient data and provide accurate diagnostic results..
- Implemented machine learning models to preprocess and analyze patient data, including medical images and clinical records.
- Trained the model using labeled datasets to enable accurate detection and diagnosis of diseases, improving healthcare outcomes.
- Skills : Python,Machine Learning,Deep Learning,Convolutional Neural Networks (CNN).

## Wanderlust - Vacation Rental Platform

- Developed a robust vacation rental platform, facilitating seamless property listing, searching for travelers and hosts
- Designed and developed the back-end architecture using Node.js and Express.js to support high performance and scalability.
- Utilized MongoDB for efficient data storage, retrieval, and management, ensuring robust handling of user data and travel information.
- Skills : Node.js,Express.js,MongoDB

## Certifications

---

- NPTEL Certification: Software Engineering (11/2023) - [IIT Kharagpur](#)

## Skills

---

- **Languages:** C/C++, Python, Javascript
- **Technologies:** HTML5, CSS, Bootstrap, Git, Github
- **Frameworks and utilities:** Django, NumPy, Pandas, Node.js, Express.js,React.js
- **Databases:** MySQL, MongoDB

## Languages

---

- **English** [Advance]
- **Hindi** [Native]