

Anuj Pathak

7039177875 | pathakanuj2004@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

Bachelor of Technology in Computer Engineering

DY Patil Deemed to be University, Ramrao Adik Institute of Technology

CGPA: 8.75

2022 – Present

HSC - Delhi Public School, CBSE

Navi Mumbai, India

72.20%

July 2022

SSC - Tilak Public School, CBSE

Navi Mumbai, India

90.40%

July 2020

EXPERIENCE

Juniper Cloud Virtual Internship

AICTE-Eduskills

July - September 2024

Online

- Gained foundational knowledge of cloud computing concepts, virtual networks, and cloud management in Juniper environments
- Developed expertise in Linux virtualization, network virtualization, and software-defined networking (SDN) principles
- Implemented and managed cloud infrastructure using OpenStack and Kubernetes container orchestration
- Completed the JNCAA-Cloud, Associate (JNCIA-Cloud) certification

Summer Internship - Mission Innovation Program

DY Patil Innovation Foundation

June 2024

- Focused on IoT, AI, ML, and robotics for business innovation and developed practical applications using emerging technologies

Winter Student's Bootcamp - Data Science Program

DY Patil Centre for Innovation and Incubation

December 2023

- Developed customer churn prediction model using Python and applied ML techniques to solve real-world business problems

PROJECTS

MediConnect | Full-Stack Healthcare Platform, Machine Learning

April 2025 - June 2025

- Engineered comprehensive healthcare platform with dual user profiles using modern web technologies and ML-powered demand forecasting
- Developed ensemble learning system with stacking and isolation forest algorithms incorporating SDOH, demographic, and climatic data
- Built patient-centric features including real-time hospital crowd monitoring, doctor availability tracking, and appointment scheduling
- Integrated web scraping for real-time doctor data and implemented RAG for personalized recommendations

MindScope | React, TypeScript, Firebase, AI Integration

March 2025 - April 2025

- Developed responsive mental health self-assessment platform using React with TypeScript for enhanced type safety
- Architected secure backend with Firebase for authentication, real-time database, and encrypted video diary storage
- Implemented Zustand for state management and built AI-powered therapist portal with real-time streaming and sentiment analysis

Anticipating Bankruptcy in Corporate Finances | Python, ML, XAI

June 2024 – September 2024

- Engineered predictive bankruptcy model leveraging Altman Z-Score, Debt-Equity ratios, and Explainable AI for risk assessment
- Successfully qualified for Smart India Hackathon 2024 with Team Bankruptcy Beacon, demonstrating fintech innovation
- Implemented interpretable ML algorithms providing actionable insights for financial stakeholders and regulatory compliance

NGO-Restaurant Connectivity Platform | PHP, MySQL, Social Impact

July 2023 – November 2023

- Spearheaded full-stack web application connecting NGOs with restaurants for sustainable food redistribution
- Designed efficient matching algorithm and logistics system with real-time inventory tracking and automated notifications

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C, Java, HTML/CSS, SQL, R, Swift
Frameworks & Libraries: React.js, Node.js, Express.js, Firebase, Zustand, Redux, TailwindCSS, Bootstrap, PHP
Developer Tools: Git, GitHub, VS Code, AWS, Docker, Postman, Figma
Databases: MongoDB, MySQL, Firebase Firestore, PostgreSQL
Areas of Interest: Web Development, Cloud Computing, Data Science, Machine Learning, AI

CERTIFICATIONS

Mastering Generative AI: Agents with RAG and LangChain	IBM
Introduction to Data Science with Python	HarvardX CS109x
Python Essentials 1 & 2	Cisco Networking Academy
Introduction to Cloud Computing	IBM
Analysing and Visualizing Data with Power BI	Davidson College
Introduction to Cybersecurity	Cisco Networking Academy

ACADEMIC ACHIEVEMENTS & LEADERSHIP

- **Academic Excellence:** 10 Pointer Grades in Data Structure, DBMS, OOPS and Mathematics III
- **Hackathon Success:** Qualified for Smart India Hackathon 2023 & 2024, Finalist at Quasar 3.0 & HackOverflow 3.0 2025
- **Industry Recognition:** Participated in Flipkart Grid 6.0, Amazon ML Hackathon 2024, Qualified for Tata Imagination Challenge 2024
- **Leadership:** PR & Event Head at The WALL-RAIT, organized MEHFIL Open Mic Event for 100+ attendees during TechFest
- **Sports & Activities:** Completed Udaan Marathon 7km (2024), Karate 1st KYU Brown Belt (2013), 2nd Position Palm Roller Skating (2013)