

Pratirath Gupta

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EDUCATION

Indian Institute of Technology Madras, B.S. in Data Science & Applications 2022 - 2026

- **GPA:** 8.0
- **Relevant Coursework:** Data Science, Statistics, Database Management Systems, Business Analytics, Big Data, Deep Learning, Statistical Computing, Cryptography, Cyber Security

Amrita Vishwa Vidyapeetham, B.Tech in Computer Science with Artificial Intelligence 2022 - 2026

- **GPA:** 8.9
- **Relevant Coursework:** Data Structure and Algorithms, Artificial Intelligence, Database, Application Development, Software Design and Development, Operating Systems

WORK EXPERIENCE

Artificial Intelligence Research Work Nov 2023 - Present

Worked under college professor on the topic of various search algorithms for predictions.

- Compared various search algorithms like Harmony Search, Late Acceptance Hill Climb Search, A* Search
- Predicted various Medical data like Brain Cancer Data, COVID-19 Data using various symptoms.
- Compared various search algorithms based on F1 Score, Precision Value, Fitness Value, and Execution Time.

Core Member, IEEE Student Branch, Amrita Vishwa Vidyapeetham Amaravati June 2023- Present

- Organised events and workshops like IEEE Day, Web Development in a nutshell
- Gained experience with teamwork and public speaking

PROJECTS

- **Face Mask Recognition** – Face Mask Detection system to detect face masks in static images as well as in real-time video streams. Own custom dataset was built using Bing Search API and Kaggle.
- **Library Management System** – Basic Library Management with both admin and user interfaces. Allows adding and removing Books, Users by Admin. As a user, it can issue, search, and return books(with fine calculation). Utilities Django as the Backend Framework, MySQL for DBMS and HTML+CSS for Frontend.
- **Daily Investor Notification** – A program that sends notifications daily about the Current price, high, and low of a given commodity in Python using yfinance library.
- **Hotel Management System** – Hotel Management System with both admin and customer interfaces. Allows Altering menu, check customer orders and details, Users by Admin. As a customer, it can browse through the menu and order it seamlessly. Utilities Django as the Backend Framework, MySQL for DBMS and HTML+CSS for Frontend.
- **QR Code Generator** – A program that generates a QR Code for a link or a file using Python.
- **Personal AI Voice Assistant** – My own Voice Assistant which helps me in my day-to-day life using Python and OpenAI.

LEADERSHIP EXPERIENCE

Chairperson – ACM Student Chapter, Amrita Vishwa Vidyapeetham Amaravati Sep 2023 - Present

- Developed and conducted programs on technology, personal development, and academic performance. Utilized public speaking skills to present hall programs to educate residents about critical aspects.

Co-Founder – Technity Club Nov 2022 - Present

- Delivered a range of teaching and coding activities including tutorials. Provided guidance to 50+ college mates.

SKILLS: Python, Java, C++, C, MySQL, JavaScript, Rust