Mayank Gupta

Third Year Undergraduate

Major: Electronics Engineering | Minor: Computer Science & Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	Performance
2024 - Present	B.Tech	Harcourt Butler Technical University	**8.2**/10
2019	Class XII (CBSE)	Prabhat Public School, Kanpur	92%
2017	Class X (CBSE)	Prabhat Public School, Kanpur	10/10

Scholastic Achievements

- Received more than **8 YGPA** for **two consecutive years**
- Awarded **A** grade for **outstanding performance** in **7** courses of 1st Year and **5** courses of 2nd Year
- Scored **96 percentile** in JEE Mains 2020 conducted throughout the country
- Secured **95/100** marks in **Chemistry** intermediate exam.
- Secured **95/100** marks in **Computer Science** intermediate exam.
- Solved more than **300** questions related to **Data Structures and Algorithms** on platforms like **LeetCode and Geeks for Geeks**.
- Solved more than **400** questions related to **Competitive Programming** on platforms like **Codeforces and CodeChef**.

Projects & Workshops

- **Machine Learning | IPL Match Win Probability Predictor** | (*Mar'23 - Present*)
  - **Predict the probability for both the teams to win the match**. Given batting and bowling team, the city in which match is played, runs left, balls left, wickets left, total runs made.
  - We will apply **Logistic Regression** on the previous data of IPL to analyse the data and predict the probability for each team to win the match in given conditions.
- **Machine Learning | Movie Recommender** (*Jan'23 - Feb'23*)
  - **Predict 5 movies similar to the movie selected by the user**. In this model, the user selects a movie he liked and the model gives recommendations of 5 other movies similar to the selected movie.
  - The concept of **The concept of Cosine Similarity** is used in this model. The movies which give the maximum similarity measure are selected for the user.
- **Web Development | Portfolio Website**
  - This is my portfolio website to show some of my work and tells more details about me while showing my web development skills.
  - To create this website **CSS,HTML and JavaScript** these languages were used.

Technical Skills & Relevant Courses   *ongoing courses*

Programming Languages	C	C++	LaTeX	MATLAB	Python	JavaScript
Machine Learning Courses	Machine Learning for Signal Processing	Advanced Topics in Machine Learning
Computer Science Courses	Theory of Computation	Data Structures & Algorithms	Fundamentals of Computing
Mathematics Courses	Probability and Statistics	Partial Differential Equations	Complex Variables	Real Analysis

Positions of Responsibility

- **Asoociate-Head | E-Cell HBTU**   (*Apr'21 - Apr'22*)
  - Developed a **ground vehicle** for **autonomous navigation** on grassy terrain while **avoiding obstacles** within designated lanes
  - Led a **team of 20** as the **software head** and participated in the **Micromouse** competition conducted by **Techfest, IIT Bombay**
  - Conducted sessions to embark on technologies such as **ROS, C++, Python, Bash**, and **Machine Learning** among **15 freshmen**
- **Publicity-Head | CodeChef HBTU Chapter**   (*Jul'21 - Jul'22*)
  - Organising **regular contests** in our college on **CodeChef** to create healty competition.
  - Speard awareness among students related to **Competitive Coding**
  - Organizing **regular sessions** for students to learn more about Competitive Coding and solving their doubts.
- **Member | Decoders Community HBTU Chapter**   (*Jul'21 - Present*)
  - Guiding and mentoring new students of our college and making them aware of **different coding projects** within the department
  - Acting as a bridge between the **Academics and Coding** council and the students to ensure **proper dissemination of information**
  - Organizing **regular sessions** related to coding to help them attain **better knowledge and more opportunities**
- **Event-Head | Aarambh-22**
  - Aarambh was an **entrepreneurial event** conducted to give recognition to new start-ups.
  - More than **500 start-ups** registered for this event from which 50 were selected to pitch their idea in front of judges.
  - Participation from all over state was seen which include participation from schools, colleges and individual start-ups.