TANMAY GUPTA

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Degree	Majors	Institute	Year
B.Tech	Comp. & Comm. Engg.	Manipal Institute of Technology	2022-2026
Intermediate	Science	Central Board of Secondary Education	2022
Matriculation	Science	Central Board of Secondary Education	2020

SUMMARY

As a second-year Computer and Communication Engg. student at Manipal Institute of Technology (MIT), my academic journey has equipped me with a strong foundation in Data Structures and honed my skills in critical thinking, problem-solving.

Eager to learn and contribute to the dynamic Indian IT industry, and passionate about building innovative software solutions. I actively seek opportunities to gain hands-on experience and further develop my skills.

TECHNICAL SKILLS

Programming language C, Java, C#, Python, MySql, HTML, CSS, Javascript, Latex

Tools Git, GitHub, VSCode, Visual Studio

Operating Systems Windows, Mac OS, Ubuntu

KEY COURSES UNDERTAKEN

Computer Science Problem Solving using Computer, Data Structures, Object Oriented Programming, Digital Systems and Computer Organization, Operating Systems, Data Analytics and Algorithm.

Communication Basic Electronics, Principles of Data Communication, Computer Network Protocol.

Mathematics Calculus, Graph theory, Probability, Permutation and Combination

PROJECTS

Jarvis AI | Python   Project Link

- Developed a virtual assistant leveraging APIs for natural language processing, voice commands, and AI-driven interactions.
- Integrated features for managing applications, sending emails, real-time news and weather updates, and web browsing.
- Utilized Google's Generative AI for dynamic conversations and provided text-to-speech feedback.

Algorithm Visualizer | Python   Project Link

- Developed a Pygame for visualizing sorting and graph traversal algorithms with customizable speed control.
- Created an dynamic inferface to switch between algorithms and visualize traversal paths, improving user understanding with color-coded elements.
- Integrated Real-Time Controls: Implemented reset functionality and real-time controls to allow users to efficiently navigate.

LeaseLink | MySQL, PHP, HTML, JavaScript, CSS   Project Link

- Developed LeaseLink Platform: Built a property rental website which includes integrating user authentication and a virtual payment gateway for secure transactions.
- Implemented Seller-Only Listings: Designed functionality allowing only sellers to list properties with detailed information, while buyers can rate properties after their stay, enhancing user trust and feedback
- Integrated Admin and User Features: Developed features for admin oversight to address user queries and ensure a seamless user experience, alongside a robust rating system for property evaluations.

MISCELLANEOUS

- I successfully organized both intercollege and intracollege sports contests, managing event logistics and resources in MIT.
- Featured in a short film produced by Naqaab Dramatics Club Manipal.
- Represented the school at various competitive levels in football.