MAANYA GUPTA

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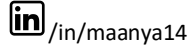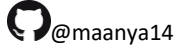
EXPERIENCE

Research Intern – VR Game Development
DRID, JIIT, Noida
May 2025 - July 2025

Worked on a VR-based game under DRID that promotes inclusivity and stress relief for differently abled users. Using **Godot**, **Python**, and **GDScript**, the project merges therapeutic goals with engaging gameplay mechanics.

Technical   Coordinator
uCR Hub, JIIT Noida May 2025 - Present

- Mentored juniors in building a functional hovercraft using microcontrollers and propellers
- Led development of an obstacle-avoidance robot achieving **92% accuracy** in dynamic environments, showcased to **100+** attendees
- Organized 3+ robotics workshops with hands-on hardware sessions to promote experiential learning.

PROJECTS

ASD Detection System – Minor Research Project
Tech: Python, Core Processing, Behavioural Analysis, Statistical Modelling

- Built a sensory overload detection system for ASD environments using Digital Signal Processing and Computer Vision.
- Engineered custom audio-visual feature extraction and weighted scoring logic to classify environments as Calm, Risky, or Overload.
- Automated multi-modal data analysis and export workflows in Python

JuristiQ – LegalTech Web Platform
Tech: React.js, Node.js, MongoDB, Express, CSS, JavaScript

- Developed a secure and intuitive web platform to manage legal clients, cases, hearings and fee management for advocates and law firms
- Focused on simplifying legal workflows
- Reduced manual case-tracking effort for advocates by **35%**
- **Live Demo:** https://juristi-q.vercel.app/

SKILLS

- **Programming:** C, C++, Python, JavaScript
- **Core Skills:** Data Structures & Algorithms, Graph Theory, Machine Learning, REST APIs, OOP
- **Web Dev:** React.js, Node.js, Express, MongoDB, SQL, HTML5, CSS
- **Tools:** Git, GitHub, VS Code, Postman, Linux, Arduino IDE, Godot
- Integrated RESTful APIs and third-party services

EDUCATION

Jaypee Institute of Information Technology (JIIT), Noida
Pursuing B.Tech in Computer Science and Engineering
July 2023 - July 2027

CGPA: 8.3

Police DAV Public School, Ambala
Senior Secondary, class: XII (CBSE)

Percentage: 94.2%

St. Joseph's School, Ambala *class: X (CBSE)*

Percentage: 97.6% (School Topper)