

Shival Gupta

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Summary

Seeking a challenging role in AI, Robotics, and 3D development where I can leverage my skills, expertise, and passion for innovation to contribute to organizational success and create immersive experiences.

Education

Degree/Program	Institution	Year	CGPA/Percentage
B.Tech, Computer Science & Engineering	Vellore Institute of Technology, Chennai	2021 - 2025	7.82
Senior Secondary (XII), Science (PCM)	St. Karen's High School, Patna (CBSE)	2020	62.167%
Secondary (X)	St. Karen's High School, Patna (CBSE)	2018	75.67%

Skills

- **Programming Languages:** C, C++, C#, Python, Java, JavaScript and TypeScript.
- **Frameworks:** Next.js, React, Socket.io, Prisma, Tailwind, MySQL, PostgreSQL.
- **AI & ML:** Machine Learning, Deep Learning, Computer Vision, Numpy, Panda, Scikit-Learn.
- **IoT & Robotics:** Arduino, Raspberry Pi, ROS, ROS2, MQTT, and ThingSpeak.
- **3D & Game Development:** Blender, Unity Engine, Unreal Engine, and After Effects.

Experience

- **Software Development Intern, Airtel Payments Bank** | Sep 2023 - Nov 2023
 - Collaborated across teams to deliver new features on schedule and with high quality.
 - Conducted comprehensive software testing and debugging to ensure optimal performance.

Projects

- **SamsungStoreXR:** Developed a virtual reality app compatible with Oculus Meta Quest, HTC, and other VR headsets, leveraging Unity, Blender, and the OpenXR Toolkit for the Samsung Prism Metaverse Internship.
- **B2B Platform:** Developed a B2B solution using Next.js, Tailwind CSS, Prisma ORM, PostgreSQL, and Next-Auth for Airtel Payments Bank.
- **Obstacle Avoidance Car:** Implemented an Obstacle Avoidance Car using ROS, Arduino, ultrasonic sensors, DC motors, and a motor controller.
- **Voice AI:** Created a Python-based voice assistant inspired by Google Voice Assistant.
- **3D Multiplayer Game:** Designed a 3D multiplayer First Person Shooter (FPS) game inspired by CS:GO, using Unity Engine and Photon Network.
- **Quiz App:** Built a Java and MySQL-based quiz application with login, leaderboard, and timer features.

Achievements

- **Winner, Samsung PRISM Metaverse Challenge**
- Ranked 17th among 500 entries in a college-level CTF event "PASSWORD" organized by Linux Club VITC.

Positions of Responsibility

- **Technical Lead (Game Development Club), VIT Chennai**
 - Conducted workshops and organized events, overseeing game development activities.
 - Played a pivotal role in fostering technical skills and creativity within the club.

Extracurricular Activities

- Piano, Skating, Badminton, Photography, Videography, Video Editing, 3D Animation