

VARDAN TUTEJA

Aspiring Computer Engineer, Full-Stack Developer and Data Analyst

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EDUCATION

- **B. Tech. CSE with Specialisation in AI and Robotics**, 2021 - Present
Vellore Institute of Technology, Chennai

EXPERIENCE

- **Continental Automation Systems** **New Delhi**
Full-Stack Development Intern May 2024 – July 2024 (1.5 months)
 - Developed user interfaces with HTML, CSS, and JavaScript to enhance user experience, while assisting in building and maintaining RESTful and GraphQL APIs for seamless client-server integration; also designed and optimized PostgreSQL database schemas and performed data manipulation to improve storage efficiency and retrieval performance.
- **NeoGenCode Technologies** **Noida, Delhi-NCR**
Data Analytics Intern Oct 2023 – Dec 2023 (2 months)
 - Analyzed complex datasets to identify patterns, providing actionable recommendations. Collaborated with management to streamline data cleaning and enhance visualization, improving operational efficiency. Developed data-driven reports supporting product enhancement and market opportunity identification.

SKILLS

- **Programming Languages:** Python, JavaScript, HTML, CSS, PL/SQL, SQL, Java, C, C++
- **Technologies/Frameworks:** React, Flask, Node.js, OpenCV, NumPy, Pandas, Matplotlib
- **Developer Tools:** MySQL, Power BI, Automation Anywhere, UI-Path, ThingSpeak, Node-Red, GitHub

CERTIFICATIONS

- **Automation Anywhere Certified Essentials RPA Professional**, Automation Anywhere Nov, 2023
- **Entrepreneurship**, NPTEL IIT Madras Oct, 2023
- **Introduction to cognitive psychology**, NPTEL IIT Guwahati Apr, 2023
- **SQL (Basic)**, HackerRank Mar, 2023

PROJECTS

- **Gesture-Controlled Robotic Arm**
 - A real-time robotic arm system utilizing MediaPipe for hand gesture recognition and Arduino for precise control of movements like pick-and-drop. Features include dynamic gesture mapping, serial communication for seamless data transfer, and a debugging interface with live feedback, enabling intuitive and efficient robotic arm operation.
- **SmartSpace — Comprehensive Home Automation System**
 - An IoT-based platform using the ESP32 microcontroller and a custom web interface for remote control and monitoring of home appliances. Features include real-time data, appliance control, and historical analytics, ensuring energy efficiency, convenience, and security.
- **NanoGlimpse — 3D Rendering System**
 - A compact yet powerful rendering engine designed for simplicity and efficiency in computer graphics compatible with multiple operating systems (Linux and Windows). It provides a foundation for creating visually compelling scenes and interactive applications particularly for enthusiasts and students.

CLUBS AND SOCIETIES

- **Data Science Club, VIT-Chennai**
 - Department Head May 2023 – May 2024 (12 months)
 - Team member Jan 2023 - May 2023 (5 months)
- **Vibrance'24, VIT-Chennai**
 - Head of Working Committee Apr 2024
- **Vibrance'23, VIT-Chennai**
 - Member of Working Committee Apr 2023