

Romil Agarwal

Bachelor of Technology
CSE with specialization in IOT
Manipal University Jaipur

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE wth specialization in IOT	Manipal University Jaipur	8.72	2026
Senior Secondary	Ryan International School (CBSE)	92	March 2022
Secondary	Ryan International School (CBSE)	95	March 2020

EXPERIENCE

- Ravya Investments** May 2024 - August 2024
Database Manager Shahjahanpur
 - Actively monitored economic indicators, staying informed of global events that could impact financial markets.
 - Implemented various database management techniques , enhancing the trade management.
 - Used MySql and Excel to directly record every trade and calculate the net profit/loss in that.

PROJECTS

- ChadGPT** August 2024
Tools: Flask, Python, BeautifulSoup, HTML, CSS, JavaScript, Bootstrap 
 - Developed a full-stack web application using Flask to process user input and fetch relevant data from various online resources in real-time.
 - Implemented web scraping techniques with BeautifulSoup to extract and display specific content from multiple websites, ensuring accurate and up-to-date information delivery.
 - Created a dynamic user interface that allows users to input natural language queries, enhancing the application's usability and user experience.
 - Applied RESTful API design principles to manage client-server interactions, facilitating efficient communication and data exchange.
 - Optimized the application by organizing the codebase into modular components, improving maintainability and scalability.
- Project: VisionGuard - Smart Assistance Device for Visually Impaired** August 2024- Current
Tools: ESP32-CAM, Python, Machine Learning, GPS, Audio Feedback System 
 - Developed a portable assistive device to enhance navigation and spatial awareness for visually impaired individuals.
 - Implemented advanced object detection algorithms using ESP32-CAM for real-time obstacle detection and avoidance.
 - Created an auditory alert system that provides immediate feedback to users, ensuring safer and more independent navigation.
 - Applied custom machine learning models to improve accuracy in object recognition, enhancing the device's reliability in various environments.

SKILLS

- **Programming Languages:** [Python , C, HTML]
- **Technologies:** Git,python libraries , GNU/Linux

CERTIFICATIONS

- **RedHat** , Red Hat System Administration I (RH124) Feb 24
- **RedHat** , Red Hat System Administration II (RH134) March 2024
- **IBM**, [SQL](#) Month Year

ACHIEVEMENTS

- Received Dean's List Award
- Won a Hackathon with a team of 3 conducted by IEEE MUJ