

Rakshit Gupta

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INTERNSHIP

SQL Intern

Celebal Technology

Jun '24 – Aug '24, Remote

- Improved SQL and database management skills through weekly projects.
- Gained practical experience in SQL queries, data handling, and optimization.

Web Development Intern

Nucleon

Jun '23 – Jul '23, IIT Jammu

- Completed a Web Development internship with real-world projects and hands-on training.
- Earned multiple freeCodeCamp certifications in web technologies.
- Strengthened skills in front-end and back-end development.

PROJECTS

Smart IoT-Based Parking Management System

<https://github.com/Rakshitgupta9/Smart-Parking-Management>

- Developed a Smart IoT Parking System using ESP32-CAM with real-time ANPR, servo control, and a web interface
- Built a Flask-based server with a custom ANPR model (Python, OpenCV, Tesseract) and web interface using HTML/CSS; integrated hardware via Arduino IDE, ESP32-CAM, IR sensors, and servo motor.

Bus Route Management System Using A* Algorithm

<https://github.com/Rakshitgupta9/Bus-Route-Management-using-A-star-Algo>

- Developed a Bus Route Management System using A* algorithm for efficient route optimization.
- Integrated Flask, MongoDB, and Leaflet.js for map-based bookings and dynamic pricing.

Health Companion

<https://github.com/Rakshitgupta9/Health-Companion>

- Health Companion, a user-friendly web app utilizing machine learning to predict health conditions and provide personalized insights.
- Implemented with Python (Flask), MySQL, ML models, and HTML/CSS/JavaScript for frontend.

Test Platform using Linux

<https://github.com/Rakshitgupta9/Test-Platform-Using-Linux-Shell-scripting>

- Created a login-based Online Test Platform using Linux. Used pattern-matching commands and file-handling concept.
- Game random questions out of 20 and provided fixed time for each question.

EDUCATION

Bachelor of Engineering- CSE (2025)

Minor in Artificial Intelligence • Model Institute of Engineering and Technology • Jammu • 2025 • 8.48 CGPA.

Higher Secondary, Science

Non-medical • Kendriya Vidyalaya No. 1 • Gandhi Nagar Jammu • July 2021 • 75.4%.

Higher School

Kendriya Vidyalaya No. 1 • Gandhi Nagar Jammu • May 2019 • 75%.

CERTIFICATIONS

Explore ML with Crowdssource - Beginner Track

Google

Basics of Python

Coursera

Responsive Web Design

freeCodeCamp

Problem solving Aspects and Python Programming

Swayam

SKILLS

Industry Knowledge: Web Development

Tools & Technologies: C, C++, MySQL, MongoDB, Python, Flask, Linux, Shell Scripting, HTML, CSS, PHP, JavaScript, UiPath, Arduino