Rakshit Gupta

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INTERNSHIP

SQL Intern
Celebal Technology (Link)   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 (Link)   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 Crowdsource - Beginner Track
Google (Link)

Responsive Web Design
freeCodeCamp (Link)

Python for Computer Vision with OpenCV and Deep Learning
Coursera (Link)

Problem solving Aspects and Python Programming
Swayam (Link)

SKILLS

Industry Knowledge: Web Development

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