

RISHU PRASAD

New Delhi | P: +91 8073852297 | rp3275@srmist.edu.in | [Rishu0204 \(Rishu\) \(github.com\)](#)

EDUCATION

SRM Institute of Science and Technology

Bachelor of Engineering

Major in Computer Science Engineering

Cumulative GPA: 9.04/10; 2021-2025

Relevant Coursework: Networking; Operating Systems; Algorithms; Artificial Intelligence; DBMS

Modinagar, UP

Expected July 2025

Kendriya Vidyalaya No.1 Mangalore

CLASS XII: Percentage: 92.4% (CBSE, 2021)

CLASS X: Percentage: 89.0% (CBSE, 2019)

Mangalore, KA

2019 - 2021

WORK EXPERIENCE

Database Intern, TechAvtar

- Improved database query performance through optimization techniques.
- Implemented SQL and NoSQL databases for diverse projects, enhancing data retrieval efficiency.
- Collaborated with the development team to integrate database solutions, contributing to a increase in project delivery speed

PROJECTS

Hostel Management Software

Technologies: SQLite, NoSQL, Python

- Engineered a comprehensive hostel management system using Tkinter for the GUI and NoSQL database for backend operations, automating room booking processes and reducing administrative workload by 40%.
- Optimized data storage and retrieval by integrating SQLite.
- Automated the process of downloading monthly booking data for each block/building, providing real-time insights into room occupancy across various hostel blocks with a single click.

Hand Sign Detection

Technologies: OpenCV, Computer Vision

- Developed a robust hand sign detection system using OpenCV, capable of identifying 26 distinct American Sign Language signs.
- Implemented advanced computer vision techniques, enabling seamless user interaction and enhancing accessibility compliance by 40%, making the system suitable for various assistive technologies.

Hotel Dataset Analysis

Technologies: Data Analytics

- Analyzed a dataset of 50,000 hotel bookings to uncover key trends and seasonal patterns, helping the marketing team develop targeted promotional campaigns.
- Identified opportunities for improving booking rates during off-peak seasons, leading to actionable insights that could increase bookings.

ACTIVITIES

- Played a key role in nurturing over 100 start-up ideas, providing strategic guidance and support to foster innovation and entrepreneurship within the college community.
- Collaborated with aspiring entrepreneurs, offering mentorship on business planning, market analysis, and growth strategies, contributing to the successful incubation of multiple start-up ventures.

ADDITIONAL

Technical Skills: SQL | Python | Data Cleaning | Data Visualization (Tableau, Matplotlib) | Web Scraping (BeautifulSoup) | Database Management (MySQL) | Generative AI (Oracle Certified) | OOPS | LLMS | Prompting | RAG Systems

Languages: Fluent in English; Conversational in Japanese

Certifications & Training: Oracle Cloud Infrastructure 2024 Generative AI Certified Professional (June 2024)