# RISHU PRASAD

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## EDUCATION

**SRM Institute of Science and Technology**                                                                      Modinagar, UP
Bachelor of Engineering                                                                                              Expected July 2025
      Major in Computer Science Engineering
      Cumulative GPA: 9.04/10; 2021-2025
      Relevant Coursework: Networking; Operating Systems; Algorithms; Artificial Intelligence; DBMS

**Kendriya Vidyalaya No.1 Mangalore**                                                                      Mangalore,  KA
      CLASS XII: Percentage: 92.4% (CBSE, 2021)
      CLASS X: Percentage: 89.0% (CBSE, 2019)                                                   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.

**Cold-Email Generator**
*Technologies: Web scrapping, LLM,*
- Automated Job Description Extraction: Implemented web scraping to collect job titles, skills, and requirements from various company websites to personalize email content.
- AI-Driven Cold Email Generation: Utilized Llama's language model to craft concise, impactful emails, making outreach more effective and time-efficient.

## 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 | Database Management (MySQL) | Generative AI (Oracle Certified)| OOPS | LLMS(LLaMA,OpenAI) |Prompting | RAG Systems

**Languages:** Fluent in English; Conversational in Japanese

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