

Rajesh S

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SUMMARY

I'm a passionate **Computer Science Engineering** student eager to find internship opportunities where I can apply my technical skills and contribute to innovative projects. I'm excited to use my hands-on experience and academic knowledge in a dynamic, team-oriented environment. I'm always looking to learn and grow, aiming to make meaningful contributions to the field I'm working in.

EDUCATION

B.E in Computer Science & Engineering Visvesvaraya Technological University (VTU), India Undergrad Coursework: DSA, Web development, IOT, CAED, Operating System, Digital Design, ADA, Java.	CGPA – 9.22	June 2026*
Pre-University (PCMCs) Karnataka Secondary Education Examination Board, India Undergrad Coursework: Linear Algebra, Physics, Computer Science, Chemistry	PERC – 95%	April 2022
S.S.L.C Karnataka School Examination and Assessment Board	Perc – 79%	June 2020

TECHNICAL SKILLS

Programming Language: C, Python, Java
Web Development: HTML, CSS, JavaScript, Reactjs
Database: MySQL, MongoDB
Tools: Visual Studio Code, Jupyter

ACADEMIC PROJECTS

JIT – Door Security <ul style="list-style-type: none">Designed and implemented a Door Security using Arduino and Infrared sensors.Developed a door control algorithm to detect unauthorized access.Collaborated with a team of 4 to troubleshoot challenges, optimizing the security system performance through iterative testing and adjustments.Documented the project thoroughly, including circuit diagrams, codebase, and a comprehensive report outlining the design choices and outcomes.	Dec 2023
JIT – Obstacle Runner <ul style="list-style-type: none">Guided a team in developing an obstacle runner game.Gamethon - Created an endless runner game in 24 hours event, held by Jyothy Institute of Technology.Used UNITY ENGINE to develop the game, the code for the game was written in C++Presented the project for International Guests, showcasing it in the collage.	Dec 2023
JIT – RFID-Based Asset Tracking System <ul style="list-style-type: none">Lead a team of 6 and Developed an RFID-based asset tracking system using Arduino and RFID modules.Collaborated with a cross-functional team to ensure seamless integration between hardware and software components.Conducted thorough testing and validation to ensure the accuracy and reliability of the RFID-based tracking system.Presented the project at a regional tech conference, showcasing its potential applications for inventory management and security.	Nov 2023
Hackathon – HandDraw Ai Interpreter and solver <ul style="list-style-type: none">Developed a Real-Time Hand Gesture Recognition System using cvzone HandTrackingModule, OpenCV, and Google's Gemini AI.Implemented Dynamic Interaction for drawing on a virtual canvas based on specific hand gestures.Integrated AI for Intelligent Responses, analyzing drawn patterns and providing contextual information.Won Consolation Prize in hackathon competition which was conduction in Jyothy institute of technology project available on GitHub: https://github.com/rajeshs1719/HandDraw-AI-Interpreter-and- solver .	June 2024

Library Management System

Jul 2024

- **Tools & Technologies:** Python, MySQL, Jupyter Notebook
- Developed a Library Management System to handle book inventory, member details, and issue/return operations.
- Designed and implemented a MySQL database to store and manage book and member information.
- Integrated Python for backend functionality, including book search, member registration, and transaction management.
- Utilized Jupyter Notebook for development and testing, ensuring smooth functionality across modules.
- Published the project on GitHub: <https://github.com/rajeshs1719/Library-Management.git>

Day Calculator (1600-2300)

Jun 2024

- **Tools & Technologies:** Python
- Created a Python application that calculates the day of the week for any date between the years 1600 and 2300.
- Implemented a custom algorithm to accurately handle leap years and the Gregorian calendar.
- Developed a user-friendly interface allowing easy date input and immediate results.
- Published the project on GitHub: <https://github.com/rajeshs1719/Day-finder.git>

Achievements

Consolation Prize - CSI Coding Challenge

May, 2024

- Awarded a consolation prize for outstanding performance in the CSI Coding Challenge, demonstrating problem-solving and coding skills under competitive conditions.

Consolation Prize - JITHACK 2k24

June 2024

- Won a consolation prize for the project *HandDraw AI Interpreter and Solver*.
- Developed an AI-based solution that interprets hand-drawn inputs and solves problems in real time, enhancing user interaction with AI systems.

3rd Place - SIH Internal Hackathon

Sept, 2024

- Secured 3rd place in the Smart India Hackathon (SIH) internal competition, showcasing innovative problem-solving and technical skills in a competitive environment.

OTHER ACTIVITIES

- **Amazon Cloud foundation:** I have successfully completed the Amazon Cloud Foundation course, building a strong foundation in cloud technologies. Through this learning process, I gained advanced skills in AWS services, cloud architecture, and security best practices.
- **Amazon Data Engineering foundation:** I have successfully completed the Amazon Data Engineering course, acquiring skills in data processing, ETL (Extract, Transform, Load) workflows, and data storage solutions within AWS environments.