



Shivam

Roll No.: 1RF23CS154
Bachelor of Engineering
Computer Science and Engineering
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GitHub Profile

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EDUCATION

•RV Institute of Technology and Management

Bachelor of Engineering, Computer Science and Engineering

2027

CGPA/Percentage: 8.86

•Jyoti Bal Vidya Mandir

Board of Intermediate Education, Rajasthan

2023

Percentage: 79.20

•DAV Gandhinagar

Board of Secondary Education, Jharkhand

2021

Percentage: 95.80

EXPERIENCE & PROJECTS

•BB84 Quantum Messenger

November 2025

Secure Real-Time Chat with Quantum Key Distribution

- Tools & technologies used: Python, Flask, Socket.IO, PostgreSQL, JavaScript, HTML5/CSS3
- Developed a secure real-time messaging platform featuring end-to-end encryption via simulated BB84 Quantum Key Distribution; implemented custom XOR-based ciphering and eavesdropping detection algorithms to demonstrate quantum cryptography concepts.

•TheMovie

October 2025

A web app to search, discover, and manage movies and TV shows with user authentication and personalized lists.

- Tools & technologies used: React, Clerk, Vite, Tailwind CSS, OMDb
- A full-stack web application to search, discover, and manage movies and TV shows with features like user authentication, watchlist, watched list, and responsive UI, advanced search and filtering, multiple public APIs for rich content, enabled users to save and track watched/wishlist items. Deployed on Vercel for fast and reliable access.

•Neo

February 2025

Voice-controlled AI assistant

- Tools & technologies used: Python, Tkinter, PyAutoGUI, requests, Wikipedia API, OpenWeather API
- A comprehensive voice assistant capable of performing 50+ tasks including system control, web automation, media playback, file management, and real-time information retrieval through natural language voice commands.

•Banking Data Analysis

September 2024

Comprehensive banking customer data analysis

- Tools & technologies used: Python, Pandas, NumPy, Matplotlib, Seaborn, Data Visualization, Statistical Analysis
- Conducted exploratory data analysis on banking dataset with 17+ features including customer demographics, financial behavior, and campaign outcomes; generated statistical insights and visualizations to understand customer patterns and subscription rates for term deposits.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, JavaScript, Python, JAVA, HTML5, CSS3, Ruby

Developer Tools: Git, GitHub, VS Code, Linux CLI, Figma, PyCharm, Eclipse, XAMPP, Vite, Canva, Vercel

Frameworks: React.js, Flask

Cloud/Databases: MySQL, MongoDB, PostgreSQL

Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Web Development, Computer Networks, Object Oriented Programming, Machine Learning, Cloud Computing, Generative AI, UNIX System Programming

Areas of Interest: Artificial Intelligence, Machine Learning, Web Development, Mobile App Development, Data Science, Data Analytics, UI/UX Design

POSITIONS OF RESPONSIBILITY

•Technical Head, DSA Club

September 2025

•Technical Head, Web Development Club

September 2025