Shivam

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

• **RV Institute of Technology and Management** — *2027*
Bachelor of Engineering, Computer Science and Engineering — CGPA/Percentage: 8.86

• **Jyoti Bal Vidya Mandir** — *2023*
Board of Intermediate Education, Rajasthan — Percentage: 79.20

• **DAV Gandhinagar** — *2021*
Board of Secondary Education, Jharkhand — 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.

• **Attendify** — *2026*
Smart Attendance Tracker with Geofencing & Scenario Simulation

- Tools & technologies used: HTML, Node.js, Tailwind CSS, Clerk Auth, Geolocation API
- Built a full-stack PWA for college attendance tracking with geofencing-based auto-attendance using the GPS and a saved college radius; developed a per-subject buffer/recovery analysis engine, a "What-If" scenario simulator, and an interactive attendance calendar with retroactive logging, OAuth via Clerk, and JSON/PDF/CSV export.

• **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, TMDB
- 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.

• **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, Eclipse, Canva, Vercel
Frameworks: React.js,
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