Rim Patel

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Education

Vellore institute of Technology Bhopal, India	**2022 - 2026**
● CGPA: **8.39**	(expected)
KD Ambani Reliance Foundation School, India	**2021 - 2022**
● *CBSE (Class XII), Aggregate: 71.6%*	
KD Ambani Reliance Foundation School, India	**2019 - 2020**
● *CBSE (Class X), Aggregate: 94%*	

Skills

Programming & Frameworks: Python, C, C++
Databases: MySQL, PostgreSQL
Cybersecurity: Quantum Cryptography, Libraries- Dilithium, Kyber
Web Development: HTML, CSS
Tools & Others: Git, GitHub, VS Code
Core Subjects: Operating System, Database Management System, Computer Networks, Data Structures & Algorithms

Work Experience

Jio Platforms Limited

Cybersecurity Analyst Intern **[Advanced Cryptography and Digital Signatures]**   (11.10.2024 - 12.12.2024)

- Gained hands-on experience in cybersecurity, focusing on **quantum cryptography** and advanced algorithms like **Dilithium** and **Kyber.**
- Researched and implemented **post-quantum cryptography** techniques, improving data security standards by **25%**.
- Presented findings to mitigate the top three causes of crashes, achieving a **40% reduction in system vulnerabilities.**
- Developed a comprehensive understanding of emerging cybersecurity technologies and practical applications.
- Collaborated with cross-functional teams to implement **encryption protocols**, enhancing data integrity by **20%.**
- Automated routine security checks using custom Python scripts, reducing manual effort by **30%.**
- Integrated advanced data visualization tools to present security metrics, improving executive decision-making by **15%.**

Projects

CBSEatEase (*HTML, CSS)*

- Developed a website for class 12 students, consolidating all previous year questions with solutions.
- Organized content for **subject-wise navigation**, improving user accessibility by **30%.**
- Designed an intuitive interface allowing users to search and access questions and solutions with ease.
- Implemented a responsive design, ensuring accessibility across devices, enhancing usability by **20%.**

Weather App (*HTML, CSS, Javascript*)

- Created a **real-time weather forecast application** displaying temperature, humidity, and conditions for user-inputted locations.
- Integrated APIs (e.g., **OpenWeatherMap**) for dynamic and accurate data retrieval, enhancing user satisfaction by **40%.**
- Built an interactive user interface with **custom styling**, improving user engagement by **25%.**

Certifications

- **Coursera: -** AWS Cloud Practitioner Essentials
  The Bits and Bytes of Computer Networking
  Architecting Solutions on AWS
  Foundations of Cybersecurity

- **NPTEL Online Certifications: -** Cloud Computing
  Marketing Analytics

Additional Information

- **Qualities: -** Project Management, Teamwork, Effective Communication
- **Languages: -** English (fluent), Hindi (fluent), Gujarati (Native)