

# FAHIM RAZA

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## Profile Summary

Computer Science undergraduate with practical experience in building full-stack and backend applications and working with databases. Gained hands-on exposure through academic projects such as Share Space and Prompt refinement System. Holds certifications in Python (IBM) and Computer Networks (NPTEL) and demonstrates a strong understanding of APIs, authentication concepts, and basic system design. Motivated to continuously learn, solve problems, and contribute effectively within collaborative software development environments.

## Education

<b>Bachelor of Technology in Computer Science and Engineering</b> <i>Parul University, Vadodara, Gujarat</i>	2022-2026
<b>Senior Secondary School (12th Grade)</b> <i>Brainwings Academy   CBSE</i>	2022
<b>Secondary School (10th Grade)</b> <i>Brainwings Academy   CBSE</i>	2020

## Technical Skills

- Programming Languages:** Python, C++, Basic Java
- Frameworks & Libraries:** React and Angular
- Networking & Protocols:** Routing, Switching, TCP/IP, Subnetting, IP Connectivity, Network Troubleshooting
- Web Development:** HTML, CSS, JavaScript, React.js
- Database Management:** MySQL, MongoDB
- Network Security:** Firewalls, Authentication & Access Control, Basic Vulnerability Awareness
- IT Support:** Troubleshooting, Hardware/Software Maintenance
- Version Control:** Git & GitHub (CI/CD)

## Certification

- IBM Python Certification
- CPA: Programming Essentials in C++
- Computer Networks and Internet Protocol (NPTEL, Jan-Apr 2024)

## Projects

- Multi-Modal Prompt Refinement System**  
Sophisticated data orchestration system that processes diverse input modalities including technical specifications, reference images, and natural language to generate standardized, high-fidelity AI prompts. Created a robust extraction pipeline to isolate core functional requirements and technical constraints from unstructured documents while utilizing vision-processing logic to translate visual sketches into actionable aesthetic parameters. Designed a proprietary "Blueprint Schema" to unify disparate data points into a consistent structure, establishing a prioritized "Hierarchy of Truth" to automatically reconcile conflicting information between file types. Integrated an intelligent validation layer to audit prompt completeness, featuring a rejection engine for irrelevant inputs and a discrepancy logging system to flag missing project variables.
- Share Space**  
Full-stack campus marketplace using the MERN stack to enable students to buy and sell second-hand products securely. Integrated JWT-based authentication for verified user access and engineered a dynamic listing system. Built a responsive React interface with advanced search and filtering, supported by a Node.js/Express backend and MongoDB for real-time inventory tracking. Established role-based dashboards for users to manage sales and an admin panel for platform moderation and community safety.

## Relevant Experience

### Academic & Practical Exposure

- Practiced system setup, software configuration, and troubleshooting while working on development environments
- Provided technical support to 5–10 peers by resolving common system and software issues.
- Collaborated with a team of 3–4 peers on academic projects, improving coordination and delivery.