

PRIYANKA PATHAK

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Education

Graphic Era Hill University

Bachelor of Technology in Computer Science | CGPA: 9.00

July 2022 – Present

Uttarakhand, India

Saraswati Academy, Haldwani

Intermediate | Percentage: 89.5%

July 2022

Uttarakhand, India

Technical Skills

Programming Languages: Java, C, C++, Python, HTML, CSS, Javascript

Databases: MySQL

Developer Tools Platforms: VS Code, Git/Github, Windows

Skills and Technologies: Data Structures and Algorithms, Operating System, OOPS, Frontend Development

Professional Experience

VaultofCodes

July 2025 – Present

Web Development Intern

Remote

- Developing and optimizing responsive web applications using React.js, Tailwind CSS, and RESTful APIs.
- Synchronized secure backend APIs with role-based authentication for data protection.

AWS Certification Opportunity

Remote

- Completed intensive AWS Cloud Practitioner course and hands-on labs; achieving a score of 92 percent on the final certification exam, reflecting a dedication to mastering cloud technologies.

Projects

Inventory Management System | Python, Tkinter, SQLite

Aug 2024

- Engineered a Python-based inventory platform with product addition, updates, and search functionality, reducing manual tracking effort by 60%.
- Integrated a Tkinter GUI for intuitive navigation and SQLite backend for reliable data storage, improving query speed by 40%.
- Added employee management and product categorization to streamline operational workflows, boosting efficiency by 50%.

Appointment Booking System – Dr. Chandra's Clinic | React.js, Tailwind CSS, Firebase

Mar 2024

- Built a responsive scheduling platform with real-time booking, cancellations, and availability tracking.
- Embedded Firebase Authentication with role-based access control.
- Fully responsive design for all devices with Dark/Light mode toggle.

Smart Price Comparison Tool | React.js, FastAPI, MongoDB

May 2025

- Developed a multi-site price comparison engine for e-commerce, reducing user search time by 50%.
- Linked React.js interface with FastAPI services to enable real-time, adaptive content rendering.
- Designed and deployed a NoSQL architecture in MongoDB to store product specifications, track historical pricing patterns, and capture live stock updates, optimizing query performance for over 10,000 daily product comparisons.

Automated Log Monitoring System | Python, Bash

May 2025

- Established an automated pipeline to detect web application anomalies with 90% accuracy.
- Devised automated Python scripts and Bash workflows to filter, parse, and classify application logs in real time, enhancing anomaly detection accuracy and reducing manual analysis effort by 70%.

Achievements

- **LeetCode:** solved 250+ problems in Data Structures and Algorithms.
- **Academic Performance:** Maintained a CGPA of 9.0, consistently ranking among the top performers in the department.