

# PRATYUSH MEHTA

Shimla, HP

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## Education

### Jaypee University of Information Technology

July. 2017 – present

Bachelor of Technology in Computer Science Engineering - **7.59 CGPA**

Solan, HP

### St.Edward's School

April. 2021 – July. 2022

Senior Secondary Examination CBSE XII - **74.2%**

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### St.Edward's School

April. 2019 – April. 2020

Senior Secondary Examination CBSE X - **90.1%**

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## Coursework

- |                   |                       |                     |                         |
|-------------------|-----------------------|---------------------|-------------------------|
| • Data Structures | • Python Programming  | • Compiler Design   | • Distributed Cloud     |
| • OOPS            | • Database Management | • Computer Networks | • Computer Architecture |

## Technical Skills

**Programming Languages:** C, C++, Python

**Web Development:** HTML5, CSS3, JavaScript, React.js, Node.js, Express.js

**Databases & Data Tools:** MySQL, PostgreSQL

**Developer Tools:** VS Code, Postman, Google Colab, Github

## Projects

### Document Similarity Checker | *React.js, Flask, Google Vision API, TF-IDF*

January – May 2025

- Designed a tool to identify textual similarity and potential plagiarism between two documents, supporting both text files and images.
- Utilized Google Vision API for OCR, followed by NLP-based preprocessing and TF-IDF + cosine similarity to compute match scores.
- Built a full-stack solution with React.js for the UI and Flask for server-side logic, handling file input, processing, and result generation.

### Hostel Complaints Management System | *React.js, Node.js, Express.js, PostgreSQL, JWT*

January – March 2025

- Developed a web-based Hostel Complaints Management System tailored for my university to streamline complaint registration and resolution across university hostels.
- Used PostgreSQL for structured data storage, Express.js and Node.js for backend APIs, and React.js for responsive frontend interfaces.
- Implemented JWT-based authentication for secure, role-based access; enabled students to file and track complaints, and admins to manage, prioritize, and resolve them in real time.

## Volunteering Experience

### NCC (National Cadet Corps) | *Senior Cadet*

September 2022 – April 2025

- Engaged in leadership development, teamwork, and community outreach initiatives.
- Fostered discipline, civic responsibility, and national service awareness through regular training and activities.

### Cultural Dance Group | *Coordinator*

June 2024 – May 2025

- Coordinated university dance group under the Cultural Club.
- Gained hands-on experience in team management, event planning, and creative leadership during university fests and performances.

## Certificates

**AWS Cloud Practitioner Essentials** (*AWS Skill Builder*)

**Full-Stack Web Development Bootcamp** (*Udemy*)

**Machine Learning Foundation Certification** (*Infosys Springboard*)