

# YASH RAJ

Patna, Bihar

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## Education

University of Petroleum and Energy Studies

BTech in Computer Science - CGPA: 7.5/10

July 2022 - June 2026

Dehradun, Uttarakhand

## Technical Skills

**Programming Languages:** Java, Python, JavaScript

**Database and Language:** Experience in MySQL, SQL (Intermediate)

**Version Control Tools and IDE:** Git, GitHub, Visual Studio Code

**Course Work:** Database Management Systems, Object-Oriented Programming, Software Development, Computer Networks, Operating Systems, Data Structures and Algorithms

## Projects

**Text File Manipulator** | *Java, CLI Application*

October 2024

- Built a CLI-based application in Java to perform various text file operations like editing, sorting, and reversing content.
- Added features to remove duplicate lines, search-and-replace text, and filter data for easy file manipulation.
- Applied Data Structures and Algorithms (DSA) to ensure efficient processing of large text files.
- Designed a modular and scalable code structure with error handling for better performance and usability.

**Mentor Allocation System** | *Java, MySQL, HTML, CSS*

January 2025

- Developed a web-based system for automating mentor-project assignments based on teacher expertise and mentee preferences.
- Created a user-friendly interface for mentees to submit group details and project topics, and for mentors to manage availability.
- Implemented algorithms for efficient mentor-mentee matching.
- Integrated a backend with a database to store and manage data.

## Summer Internships

**Parivartan Social Foundation**

June–July 2023

- Worked with Parivartan Social Foundation, an NGO supporting students in remote rural areas.
- Assisted in digitalizing the attendance system for better student tracking and management.
- Developed a web-based solution integrated with Google Sheets for real-time updates on attendance data.

**Project Internship at IBM**

June–July 2025

- Worked on a project titled **Cloud Based Market Research Tools** to collect and analyze consumer trends.
- Built a cloud-integrated dashboard to visualize insights from structured and unstructured survey data.
- Leveraged IBM Cloud and third-party APIs to create scalable market research tools.

## Certifications

- AWS Academy Cloud Web Application Builder [Certificate]
- AWS Academy - Cloud Architecting [Certificate]
- AWS Cloud Practitioner Essentials [Certificate]