



# MANAV RAJPUT

## PROFILE

B.Tech CSE student specializing in Cloud Computing at UPES. Skilled in Java, Spring Boot, MySQL, HTML, CSS, and AWS. Passionate about full-stack development and cloud technologies, with experience in building real-world projects like a Hostel Management System.

## PROJECTS

### Real-Time Collaboration Platform

Applied Core Technologies in Web Development

- Built a team communication & project management web app with real-time messaging using WebSocket
- Developed scalable backend (Node.js, Express.js, MongoDB) and responsive frontend (React.js, TailwindCSS)
- Integrated JWT authentication and RBAC for secure user access.
- Optimized performance with Redis caching and efficient DB queries
- Tech Stack: React.js, Node.js, Express.js, MongoDB, Redis, WebSocket, JWT, TailwindCSS, AWS (EC2, S3)

### Hostel Management System

Oct 2024-Dec 2024

Management System for tracking hostel residents

- Web-based platform for hostel/PG booking with real-time booking, search filters, and user reviews
- Developed scalable backend (Node.js, Express.js, MongoDB) and responsive frontend (React.js, TailwindCSS)
- Integrated JWT authentication and RBAC for secure user access.
- Implemented admin/user dashboard and integrated payment gateway
- Tech Stack: React.js, Node.js, Express.js, MongoDB, Redis, WebSocket, JWT, TailwindCSS, AWS (EC2, S3)

### Three-Tier Application Deployment on AWS

Nov 2024-Dec 2024

Applied AWS services

- Deployed a full-stack app on Linux EC2 with auto-scaling, load balancing, and DynamoDB
- Used Lambda functions and API Gateway for serverless architecture and routing
- Managed secure access with IAM roles and stored assets in S3
- Tech Stack: EC2, Auto-Scaling, Load Balancers, RDS, DynamoDB, S3, IAM, Lambda

## ACHIEVEMENTS/CERTIFICATIONS

- 21-Day Coding Challenge
- AWS Academy Graduate
- Cognition 2.0 Web Development Bootcamp
- UPES - Docker - English Certification (GUVI | HCL)
- AMCAT Participation
- LeetCode - 50 Days Badge

## CONTACT

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Dehradun

[LinkedIn](#)

[GitHub](#)

## SKILLS

- Java
- C
- CSS
- JavaScript
- React
- Node.js
- MongoDB
- MySQL
- Git
- GitHub
- Docker
- Kubernetes
- Data Structures and Algorithms
- Amazon Web Services (AWS)

## LANGUAGES

- English (Fluent)
- Hindi (Native)

# EDUCATION

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<b>University of Petroleum and Energy Studies, Dehradun</b>	Aug 2022-May 2026
Bachelor of Technology in Computer Science & Engineering	CGPA: 7.51
<b>Pine Hall School, Dehradun</b>	March 2019- May 2020
High School	94%
<b>Pine Hall School, Dehradun</b>	March 2021- May 2022
Intermediate, PCM	89%

# EXTRACURRICULAR

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<b>Social Internship - Unforgotten Humanity Foundation</b>	2023
<ul style="list-style-type: none"><li>Organized Slum Hero Season 3 talent event for underprivileged children to showcase talents and build confidence.</li><li>Collaborated with team to effectively plan and execute event logistics and management.</li><li>Gained hands-on event management experience while making positive community impact</li></ul>	