

Ankur Kumar Rai *Computer Science and Engineering undergraduate*

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Career Objective

Full-stack developer with experience in AI systems, MERN stack, and scalable web applications.

Internships & Experience

Software development Intern, *CODTECH*

06/2025 – 07/2025 | Remote

- Developed full-stack web modules and RESTful APIs for data-driven applications
- Integrated backend services with databases, improving data handling efficiency
- Collaborated with team members to enhance system architecture and optimize performance

Deloitte Australia Technology Job Simulation, *Forage*

05/2025

- Completed tasks on dashboard development and product proposal design
- Applied problem-solving and product thinking to real-world business scenarios

ATL Student Intern, *IBM*

2022 | Virtual

- Designed product workflow for an IoT-based Smart Waste Management System
- Collaborated on hardware-software integration and prototype development
- Improved system efficiency through iterative testing and optimization

ATL- Adobe Student Mentorship Program, *Adobe*

09/2020 – 09/2020

- Worked on real-world tech projects in a mentorship-driven environment

Projects

PrepTrack (Full Stack Productivity App)

- Built a full-stack application to track DSA problem-solving across multiple platforms
- Implemented authentication, REST APIs, and analytics for topic-wise and consistency tracking
- Tech Stack:** React.js, Node.js, Express.js, MongoDB

IndiaVotes (Election Awareness Platform)

- Developed a modern, responsive web application to educate users about the Indian electoral process
- Built an interactive EVM & VVPAT simulator and visual election timeline for better user understanding
- Implemented quizzes, FAQs, and election type comparisons to enhance engagement and awareness
- Tech Stack:** React.js, Firebase, UI/UX Design

AI Resume Job Matcher

- Built an AI-powered system to match resumes with job roles using semantic similarity
- Integrated Llama 3 (Groq) for intelligent skill extraction and reasoning
- Implemented vector search using Endee Vector DB for fast and accurate matching
- Designed fallback engine ensuring system reliability

Technical Skills

Programming Languages: Java, JavaScript (ES6+), Python

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, Spring Boot

Databases: MongoDB, MySQL, PostgreSQL

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, RESTful API Design

Tools & Technologies: Git, Docker, Firebase, REST API Integration, Arduino, Raspberry Pi

Certificates

The Complete Full-Stack Web Development Bootcamp – Udemy (Jan 2026)

Learned full-stack development including HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB

MERN Stack Ascent: 45-Day Portfolio Challenge – EvolveSpark Services & Solutions

Gained hands-on experience in MongoDB, Express.js, React.js, and Node.js by building and deploying full-stack projects

Achievements & Honors

1st Place – Pravega 2022 (IISc Bangalore) 

2nd Place – Shastra Juniors 2021 (IIT Madras) – Young Scientist Senior 

Top 10 Teams – ATL Marathon 2022 (Uttarakhand) 

Top 150 Teams – ATL Marathon 2020 (Nationwide) 

Featured in ATL Marathon Coffee Table Book (2019–20), NITI Aayog 

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering, *Uttaranchal University, Dehradun*

2023 – Present | Dehradun

Relevant Courses: Data Structures, Algorithms, Database Management, Operating Systems, Software Engineering
8.56 CGPA

Senior Secondary (Class XII), *Saraf Public School, Khatima*

2023 | Khatima

High School (Class X), *Saraf Public School*

2021 | Khatima

Languages

English: Proficient | **Hindi:** Native