

# ANURAG THAKUR

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## Education

### GRD Institute Of Management & Technology

Bachelor of Computer Applications (BCA) | CGPA: 8.2/10

Expected May 2026

Dehradun, India

### Shri Guru Nanak Public School

Intermediate (CBSE Board)

April 2022 – March 2023

Rudrapur, India

## Work Experience

### Mohjay Infotech

Full Stack Web Developer Intern

June 2024 – August 2024

Dehradun, India

- Engineered scalable **MERN-stack** applications, implementing **Code Splitting** and **Lazy Loading** to improve client-side performance by **30%**.
- Optimized **RESTful APIs** and state management using **Context API**, reducing page load times by **25%** and enhancing UX.
- Collaborated in an Agile environment to debug complex backend issues, ensuring **99.9% system uptime**.

### Edunet Foundation

AI and Machine Learning Intern

December 2024 – February 2025

Dehradun, India

- Developed a **CNN-based** image classification model using **TensorFlow/Keras** achieving **90% accuracy** for early crop disease detection.
- Deployed a **Flask** web application for real-time inference, reducing manual inspection latency by **60%**.
- Processed large-scale datasets using **Pandas** and **NumPy**, reducing data misdiagnosis risk by **40%**.

## Projects

### Reel-Style Food Ordering Platform | React, Node.js, Socket.IO, MongoDB

[Source Code](#)

- Integrated **Socket.IO** for real-time bidirectional communication, improving order update responsiveness by **40%**.
- Built a comprehensive **Vendor Dashboard** with secure **JWT Authentication** and role-based access control.
- Designed a mobile-first UI using **Tailwind CSS**, resulting in a **30% increase** in navigation efficiency.

### Secure Voting System | Express.js, MongoDB Atlas, Node.js

[Source Code](#)

- Developed a high-integrity voting logic preventing duplicate entries, ensuring **100% data consistency**.
- Implemented **Aadhaar-based Authentication** reducing registration friction and improving security by **90%**.
- Enforced a **Live Results Endpoint** delivering dynamically sorted candidate vote counts, improving result visibility by **95%** through real-time updates.
- Defined **Role-Based Access Control**: restricted admins to candidate management only, ensuring **0% risk** of unauthorized admin voting and maintaining system neutrality.

### MERN Productivity Notes App | React, MongoDB, JWT, CSS3

[Source Code](#)

- Optimized global state management, improving UI responsiveness by **100%** for CRUD operations.
- Secured user data with **JWT-based** protected routing, mitigating unauthorized access risks by **99%**.
- Created a **RESTful API** with **Express.js** and **Mongoose**, implementing custom middleware for request validation to ensure **100% data integrity**.

## Technical Skills

**Languages:** JavaScript (ES6+), C++, C, Python, SQL, HTML5, CSS3

**Libraries/Frameworks:** React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, TensorFlow, Pandas, NumPy

**Databases/Tools:** MongoDB, MySQL, Git/GitHub, Postman, VS Code, Jupyter Notebook, MongoDB Atlas

**Concepts:** REST APIs, Authentication (JWT), Real-time Web (Socket.IO), Data Structures, CNNs

## Honors & Certifications

- Academic Excellence:** Secured **3rd Position** in GRD Institute Academic Session 2023–2024.
- Hackathon:** Participated in **Graph-e-Thon 2.0** (Technology Business Incubator, Graphic Era University).
- Certifications:** **MERN Stack Specialization** (Udemy), **SQL Introduction** (Simplilearn), **TCS iON Career Edge**.