

# Anant Sharma

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## EDUCATION

### Thapar Institute of Engineering and Technology

Bachelor of Engineering in Electronics and Computer Engineering

Patiala, Punjab, India

Expected June 2026

## EXPERIENCE

### Full Stack Developer

Negotrip

March 2024 – April 2024

Remote

- Created RESTful APIs using Node.js and Express.js, with data storage managed via MongoDB in a MERN stack, handling over 10,000 requests daily. Worked on optimizing database queries, improving efficiency and response time.
- Collaborated on frontend-backend integration, resulting in a 20% improvement in page load times. Built reusable components and ensured smooth data flow between the client and server, enhancing overall user experience.
- Secured system reliability and performance through regular monitoring and optimization. Established load balancing and server-side caching mechanisms to support large-scale operations.

### Backend Developer

AssignOver

April 2023 – May 2023

Remote

- Engineered robust backend solutions with Node.js and Express.js, integrating MongoDB to enhance data management efficiency by 35%. Designed and developed RESTful APIs to handle various CRUD operations, improving overall system performance.
- Optimized backend functionalities for frontend integration, leading to a 40% increase in user engagement. Worked closely with frontend teams to create seamless data pipelines and implemented security best practices for data transmission.
- Monitored system performance and debugging practices to ensure high system reliability. Leveraged tools like Postman and New Relic to monitor API performance and diagnose issues.

## PROJECTS

### Database Management Portal | Node.js, MongoDB, Express.js, React.js

February 2024

- Designed and enacted a robust database management system for ECED at TIET, enhancing data retrieval speed and system reliability by 10%. The system supports multiple users and offers advanced search functionality for rapid data access.
- Architected and maintained backend infrastructure, reducing server response time by 20% and ensuring a seamless user experience. Executed data validation and error handling mechanisms to improve system stability.

### AssignOver Website | JavaScript, Node.js, Express.js, MongoDB

April 2024

- Constructed and maintained the backend for AssignOver, a research-based freelancing platform, improving system efficiency by 30%. Integrated third-party services for payment processing and data analytics, enhancing the platform's capabilities.
- Introduced user authentication with JWT and MongoDB, optimizing backend performance in a scalable MERN stack application. Managed API security and ensured secure data handling through encryption techniques.

## TECHNICAL SKILLS

**Languages:** HTML, CSS, JavaScript, C/C++, Python, TypeScript

**Frontend:** React.js, Flutter, Android Studio

**Backend:** Node.js, Express.js

**Databases:** MongoDB, Firebase, MySQL, PostgreSQL

**Tools:** Figma, Canva, Arduino

**Libraries:** pandas, NumPy, Matplotlib, Seaborn, scikit-learn, NLTK, nltk

**Version Control:** Git, GitHub

## LEADERSHIP AND VOLUNTEERING

### CODE 360

College Captain

August 2023 – Present

Thapar Institute of Engineering and Technology

- Acted as the point of contact for the Code 360 TIET Chapter, organizing over 10 events with an average of 500 participants. Coordinated logistics, event promotion, and participant engagement.
- Founded the Code 360 TIET Chapter, recruiting 25+ members and organizing 3+ events. Played a pivotal role in expanding the chapter's reach and impact on campus by fostering partnerships with other student organizations.

## CERTIFICATIONS

**Data Structures and Algorithms** (Coursera, San Diego), **DevOps** (Coursera, IBM), **Advanced React.js** (Coursera, Meta), **Frontend Development** (Coursera, Meta), **Database Management Systems** (Coursera, IBM)