

# Ankit Kumar

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## EDUCATION

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**National Institute of Technology, Silchar**  
*Bachelor of Technology in Electrical Engineering*  
◦ CGPA: 7.78/10

*August 2021 – June 2025*

## WORK EXPERIENCE

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### Developer Programmer

*August 2021 – Present*

- Developed and deployed a responsive web application using React.js and TailwindCSS, resulting in a 40% increase in user engagement and a 25% reduction in bounce rate.
- Collaborated with a team of 4 to implement a RESTful API using Node.js and Express, enabling 30% faster data transfer between the frontend and backend modules.
- Integrated JWT-based authentication to secure user access, improving application security by 35%.
- Optimized legacy backend systems, improving efficiency by refactoring code and introducing asynchronous processing, reducing response times by 25%.
- Optimized the application's performance, reducing load times by 30% and enhancing the user experience.
- Led a cross-functional team of 6 members, fostering collaboration and ensuring the successful delivery of projects on time and within budget.
- Executed database optimization techniques, including indexing and query optimization, which led to a 40% improvement in database performance and reduced query execution time.
- Demonstrated strong drive and initiative by identifying process improvements, leading to a 15% reduction in project turnaround time.
- Led the implementation of new features, contributing to a 20% growth in monthly user retention.
- Led the transition to a more modular architecture, incorporating CI/CD pipelines, which streamlined the development workflow and accelerated the deployment process by 30%.
- Enhanced database performance through query optimization, resulting in a 40% improvement.

## PROJECTS

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### Food Waste Management Application

*June 2024 – August 2024*

- Developed a scalable web application to connect donors and receivers, streamlining real-time posting, claiming, and tracking of surplus food with backend integration for enhanced performance and user experience.
- Engineered an intuitive food listing system using React.js, enhancing user experience and reducing food donation process time by 35%.
- Built with React.js, Node.js, and MongoDB, and deployed on AWS S3/EC2, ensuring fast load times.

### Job Hub

*October 2024 – December 2024*

- Created Job Hub, a job search platform to connect job seekers with potential employers.
- Implemented secure user authentication (signup, login, and profile management) using JWT-based access to ensure data privacy.
- Led a team of 4 developers to design a user-friendly system with CRUD operations for job postings and applications, streamlining the recruitment process.
- Used React.js, Node.js (Express), MongoDB, AWS S3/EC2, and JWT authentication to ensure scalability and reliable performance.

## SKILLS

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**Languages:** C, C++, JavaScript, SQL, Python

**Frameworks & Tools:** React, Express.js, MySQL, VS Code, Git/Github

**Coursework:** Object-Oriented Programming (OOPs), RDBMS, Data Structures and Algorithms

**Web Technologies:** React, JavaScript, Node.js, MongoDB, Express.js

**AI & ML:** TensorFlow and Keras, Pandas, NumPy, and Matplotlib