

# KAUSHIK DUTTA

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## EDUCATION

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**Bachelor of Technology (Computer Science and Engineering)**

2020 – 2024

Manipal Institute of Technology

cgpa – 8.0

## SKILLS

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Languages	HTML, CSS, JavaScript, TypeScript, C, C++, WebSocket
Libraries & Frameworks	Tailwind CSS, Bootstrap, React, Next.js, Recoil, Redux, Node.js, Express.js, Mongoose
Databases	MongoDB, PostgreSQL, Prisma, MySQL
Tools & Software	Docker, Kubernetes, Git, Postman, Babel, Webpack, Monorepo, TurboRepo
Subjects	Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems ,Computer Networks,
Shell scripting	
Problem Solving	Solved 500+ problems on platforms like LeetCode and GeeksforGeeks
operating System	mac os , windows , linux

## EXPERIENCE

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**Assistant Software Engineer**

August 2024 – Present

Keysight Technologies

- Developed RESTful APIs with Google Calendar integration using OAuth 2.0, reducing scheduling conflicts by 30%
- Automated Zoom meeting management system handling 50+ daily interviews
- Optimized MySQL queries reducing database response time by 25% for 100+ enterprise clients
- Implemented WebSocket protocol for real-time notifications system

## PROJECTS

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### Online Judge

A platform that securely compiles and evaluates user-submitted code for programming problems.

- Created secure code execution environment using Docker containers with 99.9% uptime
- Provided user access to track submissions with a leaderboard and submission history.
- Utilized Docker and sandboxing for enhanced security, implemented polling and queues for handling 100+ concurrent submissions
- Deployed with horizontal scaling to support multiple concurrent users.
- [GitHub: Online Judge](#)

### Hotel Pedia

- Developed a full-stack web application to manage hotel data (charges, descriptions, reviews) with JWT-based authentication and session management.
- Delivered secure login, logout, and persistent user session features, ensuring robust user access control.
- [GitHub: Hotel Pedia](#)

## EXTRA-CURRICULAR ACTIVITIES

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- **Member of Innovision**

Organized hackathons and conducted web development sessions for 300+ college students.