

Yash Kumar Singh

[github](#) | [linkedin](#) | [leetcode](#) | [portfolio](#) | yashsingh1610@gmail.com | [+91-9547824257](#)

EDUCATION

National Institute of Technology Durgapur, India
Bachelors of Technology in Chemical Engineering

Aug 2024 - May 2028
GPA: 7.5/10.0

WORK EXPERIENCE

MezZingo Backend Developer Intern	Jan 2026 - Present
<ul style="list-style-type: none">Deploying scalable Cloud Run backend services using Python and Flask for production systems.Built RESTful APIs for subscription workflows and automated background job processing.Optimized Firebase queries and batch operations, reducing API latency by ~ 30%.Improved backend reliability with structured error handling and logging, reducing failures by ~ 25%.	
Maity Innovations Pvt. Ltd. Software Developer Intern (Backend)	Jan 2026

PROJECTS

BudgetTracker AI (Full-Stack Application) Next.js 14 (TypeScript), MongoDB, Clerk Auth, OpenRouter API	Oct 2025 GitHub Repo
<ul style="list-style-type: none">Built LLM-powered expense categorization across 6+ categories, reducing manual entry by ~ 90%.Implemented secure authentication, protected APIs, and type-safe backend endpoints using Clerk.Optimized MongoDB access and delivered analytics dashboards (bar/pie) for personalized spending insights.	
Expense Splitter App (Real-Time System) React.js, Node.js, Express.js, MongoDB, Socket.io, JWT	Aug 2025 - Sep 2025 GitHub Repo

ACHIEVEMENTS

Problem Solving	Solved 200+ LeetCode problems across arrays, strings, linked lists, trees, graphs, recursion, and dynamic programming.
LeetCode Consistency	Earned 100+ Days LeetCode Badge through consistent daily problem solving
Competitive Programming	Achieved 1300+ CodeChef rating through regular competitive programming practice
Smart India Hackathon	Participated in Smart India Hackathon 2025 , building disaster response drone dashboard with GPS integration

TECHNICAL SKILLS

- Programming Languages:** JavaScript (ES6+), TypeScript, C, C++, Python
- Web Technologies:** React.js, Next.js, Tailwind CSS, Node.js, Express.js, Flask, REST APIs, WebSockets, Socket.io
- Databases & Authentication:** MongoDB, MySQL, Redis, Firestore, Firebase, JWT, NextAuth.js, Clerk
- DevOps & Cloud:** Docker, Git, GitHub Actions (CI/CD), Linux, Google Cloud Platform (GCP), Postman, Vercel

RELEVANT COURSEWORK

Core CS: Computer Programming, Data Structures Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems

POSITION OF RESPONSIBILITY

Member, Student Alumni Interaction Cell (SAI Cell), NIT Durgapur: Organised Alumination 2025 and coordinated alumni networking sessions, cross-team event planning, and on-site logistics.	Feb 2025 - May 2025
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