

# Ankush Yadav

📍 Ghaziabad    ✉ anyadav8052@gmail.com    ☎ 8052434076    in Ankush574    🌐 Ankush574

## Education

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### Indian Institute of Technology (IIT), Madras

Jan 2024 – Sept 2028

BS in Data Science and Applications

- GPA: 7/10
- **Coursework:** Python, Data Structures, DBMS, ML, DL, Statistics, Computational Thinking, Algorithms, Business Analytics, and Full-Stack Development

### Raj Kumar Goel Institute of Technology, Ghaziabad

Sept 2023 – June 2027

B.Tech, Computer Science Engineering (CSE)

- GPA: 8.3/10
- **Coursework:** Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks, OOP (Java), TOC, AI/ML, and Web Development with hands-on projects.

## Experience

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### Full-Stack Web Development Project – Personal Finance Dashboard

Oct 2024 – Dec 2024

- Created a MERN stack finance tracker that boosted user budgeting accuracy by 40% through interactive analytics on income and expense trends.
- Engineered a responsive user interface using React, ensuring seamless cross-device compatibility; UI enhancements improved user engagement by 25%, leading to increased feature adoption.
- Deployed using Vercel with GitHub CI/CD

### Database Systems Project – Movie Recommendation System

Jan 2024 – Feb 2024

- Designed relational schema and SQL queries for movie dataset with user reviews
- Developed a console-based movie recommendation application employing collaborative filtering algorithms, achieving a 4.5-star average user rating by tailoring suggestions to individual viewing preferences and history, using Java and MySQL.
- Tools: MySQL, Java, JDBC

## Projects

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### Fintrack - Personal Finance Dashboard

- Created a personal finance dashboard that improved user financial visibility by 60%, leveraging real-time data visualization of income, expenses, and investments. .  
a full-stack management tool using Next.js... Next.js, TypeScript, Node.js, and MongoDB with JWT-based user authentication and secure RESTful APIs.
- Deployed frontend on Vercel and backend on Render for seamless CI/CD and scalability.
- Responsive dashboard with real-time financial data visualization , Secure user authentication and session management ,RESTful APIs to manage transactions and categories, Data filtering, monthly summaries, and budget alerts. Follows 12-Factor App methodology for maintainability.
- Skills Used : React.js, Typescript, NodeJs, MongoDB, UI/UX

### DevConnect – Developer Networking Platform

- The objective was to build a LinkedIn-style social networking platform specifically for developers to connect, share projects, and collaborate.
- Built a developer networking platform using Next.js and Express.js, achieving 200+ user signups in beta with real-time chat and GitHub OAuth login.
- Developer profile creation and project showcase Authentication using GitHub OAuth Real-time post feed with like/comment functionality Private messaging/chat system Fully responsive layout with modern UI design principles

- Skills Used: NextJs, ExpressJs, PostgreSQL, REST, Tailwind, OAuth, Jest Snapshot

## Skills

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**Languages:** JavaScript, TypeScript, HTML, CSS, Java, SQL

**Frameworks:** React.js, Next.js, Node.js, Express.js

**Databases:** MongoDB, MySQL, PostgreSQL

**Tools:** Tailwind CSS, JWT, Git, Jest, Vercel, Render, REST API, OAuth2.0

## Achievements/ Extracurricular Activities

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- Appointed Campus Ambassador at Learn Flu Ed-Tech; executed peer outreach initiatives across RKGIT, contributing to a 40% increase in internship signups in May 2025.
- Ranked 2nd in *Error-Hunt* tech contest at RKGIT (June 2025), outperforming 50+ peers in logic-based and debugging challenges. Demonstrated logical reasoning and debugging skills in a timed competitive setting.
- Secured 2nd in *Chess Tournament – Tatva’25*, RKGIT Annual Fest (April 2025)

## Certifications

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**Programing Using Java :** This certification provided a comprehensive understanding of core Java programming concepts including object-oriented programming (OOP), exception handling, file I/O, multithreading, and data structures.

**Bring AI to Work Workshop - Google Workspace :** Successfully completed a workshop on applying AI tools in workplace scenarios.

**Learning Python – OnWingspan :** Completed Python fundamentals course including hands-on programming exercises.