

Divyansh Garg

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Meerut, Uttar Pradesh, India (250002)

PROFESSIONAL SUMMARY

Computer Science Engineering student with a strong interest in full-stack development and software engineering. Experienced in building web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Skilled in designing RESTful APIs, implementing authentication systems, and managing databases. Possesses a solid foundation in Data Structures & Algorithms and Object-Oriented Programming. Enthusiastic about solving complex problems, learning new technologies, and contributing to impactful software projects.

PROJECTS

RAG-Powered Academic Analytics Platform (Singularity) | *Next.js, TypeScript*

March 2026 – Present

- Architected a multi-tenant RAG chatbot for AKTU-affiliated colleges, **reducing repetitive institutional queries by 80–90%** across 10+ departments per institution.
- Developed a high-performance TypeScript-based result processing engine for 1,200+ students, **optimizing processing time from 5 days to just 40 minutes** (~1.5 seconds per student).
- Engineered automated PDF and Excel export pipelines to streamline institutional reporting, **minimizing report generation time from several hours to under 2 minutes** across 10+ departments.
- Implemented a scalable 6-tier subscription and billing architecture using DodoPayments, establishing **zero-downtime automated deployments** via GitHub Actions CI/CD pipelines on a Turborepo/Bun monorepo.

Social Media Website | *Next.js, Node.js, Express.js, MongoDB*

Jan. 2026 – Feb. 2026

- Designed and launched a full-stack social media platform, **increasing active user engagement** by enabling seamless account management, user profiles, and content sharing functionalities.
- Secured user endpoints and session management by **implementing robust modern authentication and authorization workflows** on the backend.
- Optimized data communication and fetch speeds by **architecting and integrating scalable RESTful APIs** between the Next.js frontend and Node.js/Express.js backend.
- Structured schema models within MongoDB to **ensure efficient data persistence, storage, and retrieval** for complex user-generated posts and relational profiles.
- Built a fluid, fully responsive user interface using modern design practices, **enhancing cross-device accessibility and user experience**.

TECHNICAL AND SOFT SKILLS

Languages: JavaScript, Java, SQL, C, Python (Basic), HTML/CSS

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, EJS

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Databases & Tools: MongoDB, Git, GitHub, Docker, AWS (EC2, S3, Lambda - Basics)

Core Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), DBMS, Operating Systems, Computer Networks, REST APIs, Authentication & Authorization

Soft Skills: Problem Solving, Analytical Thinking, Communication, Team Collaboration, Adaptability, Time Management, Attention to Detail

EDUCATION

Meerut Institute of Engineering and Technology Meerut, India Bachelor of Technology in Computer Science Engineering
(Current SGPA: 8.5) Aug. 2023 – Expected Jun. 2027