SHREYANSH SRIVASTAVA

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Education

Bundelkhand Institute of Engineering and Technology *Sep 2022 - May 2026*
B.Tech in Information Technology (GPA: 7.69) *Jhansi, U.P*

- **Coursework:** Data Structures, Operating Systems, Computer Networks, Databases, Analysis of Algorithms

Bishop Johnson School and College, Prayagraj *Apr 2019 - Mar 2021*
Intermediate (86.2%) *Prayagraj, U.P*

Technical Skills

- **Languages:** Python, C/C++, Java, JavaScript, TypeScript, SQL, HTML/CSS, PostgreSQL, GraphQL
- **Frameworks:** Node.js, Django, React, Next.js, Bootstrap, FastAPI, Tailwind CSS, FirstAPI, RestfulAPI, PrismaORM, Angular.
- **Tools:** Git, Postman, MongoDB, Vercel, Render, Supabase, Firebase, Clerk, Razorpay, PgAdmin.

Soft Skills

- Communication, Teamwork, Leadership, Writing.

Projects

Real Time Chat App (MERN Stack): (LINK 🔗) *Mar 2025 - Apr 2025*
Tools Used: MongoDB, Express.js, React, Node.js, Socket.io

- Designed and built a **high-availability real-time chat platform** using **Node.js** and **Express.js**; achieved **99.99% uptime over two years** with zero **critical security breaches**.
- Integrated **Sentry error tracking**, identifying and resolving the three biggest causes of **crashes** including **video call freezes**, resulting in a **35% reduction in user-reported issues**.
- Strengthened **platform security** by implementing robust **authentication and authorization** with **Clerk** and **bcrypt**, safeguarding **1,000+ user accounts** and mitigating vulnerabilities by **60%**.
- Deployed the **full-stack application** on **Vercel** with secure **environment configurations**, enabling seamless **scalability** and a **production-ready environment**.

Finance Tracker App (MERN Stack): (LINK 🔗) *Jun 2025 - Jul 2025*
Tools Used: MongoDB, Express.js, Next, Node.js

- Built a secure Finance Tracker application using **Next.js**, enabling users to log and categorize over **1,000+ transactions**, while maintaining a **responsive UI** optimized for mobile and desktop.
- Integrated **persistent data storage** with a backend API, reducing data retrieval time by **30%** and allowing seamless analysis of **historical financial records**.
- Designed and implemented an **interactive dashboard** with **real-time visualizations**, helping users identify **spending patterns across 5+ categories** and improve budgeting efficiency by **20%**.
- Developed **advanced filtering and search features**, enabling transaction tracking by **date, category, and payment method**, cutting search time by **40%**.
- Enhanced **data protection** by implementing authentication and authorization mechanisms, ensuring **100% user privacy** and compliance with secure data handling practices.

Achievements

- Cultivated a strong foundation in Competitive Programming and Algorithmic Complexity by completing over **400** challenges across CodeForces, LeetCode, and CodeChef, with a focus on topics like Graph Theory.
- Achieved a **2-star** rating (Max Rating: 1545) on CodeChef (Profile 🔗) and a **Newbie** rating (Max Rating: 1056) on Codeforces (Profile 🔗), demonstrating strong skills in algorithmic thinking and computational analysis.
- Awarded First Prize in the event at the Annual Innovation and Technical Fest View Certificate 🔗. Other Certificates 🔗.
- Spearheaded The Syntax Society's coding workshops, teaching 30+ students weekly.
- Solved over 300 problems on LeetCode (Profile 🔗), showcasing strong algorithmic and data structure skills.