

ASHUTOSH SINGH

+91 8874307866

ashutoshsingh2322003@gmail.com

LinkedIn

GitHub

LeetCode

Professional Summary

Computer Science Final year student with a strong foundation in full-stack web development, Algorithmic thinking. Developed real-world applications using modern technologies like React.js, Node.js, MongoDB, and Express. Completed a Software Development internship at Bluestock contributing to scalable backend systems and real-world features. Solved over 300+ DSA problems, demonstrating analytical depth and coding proficiency. Seeking to leverage strong technical and collaborative skills to contribute to innovative engineering teams like Google, with interest in AI, NLP, and distributed systems.

Education

Greater Noida Institute of Technology

Computer Science & Engineering

Aug 2022 - Jul 2026

Greater Noida, UP

Uday Pratap Public School

Intermediate

Mar 2019 - May 2021

Varanasi, UP

Technical Skills

- **Programming Languages:** C++, JavaScript (ES6+), HTML5, CSS3, JSON
- **Frontend Technologies:** HTML5, CSS3, React.js, Redux, Tailwind CSS, DOM Manipulation,
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, JWT Authentication, WebSockets
- **Databases:** MySQL, MongoDB (NoSQL), CRUD Operations, Database Design, Schema Optimization
- **Developer Tools & Platforms:** Git, GitHub, Visual Studio Code, NPM, Render, Postman,
- **Computer Science Fundamentals:** DSA, OOP, DBMS, Networking (TCP/IP), Agile/Scrum
- **Others:** EmailJS, CI/CD Basics, Cross-Browser Compatibility, Performance Optimization

Experience

Software Development Intern – Bluestock

- Contributed to the development of a scalable web platform as part of a real-world production team.
- Implemented full-stack features using React.js, Node.js, and MongoDB following RESTful principles.
- Worked closely with senior developers and participated in daily stand-ups, sprint planning, and code reviews.
- Resolved bugs and improved application performance by optimizing API calls and state management.
- Collaborated via Git and GitHub, following CI/CD pipelines and agile methodologies.

Projects

Portfolio Website - React, JavaScript, TailwindCSS

Live Demo

- Developed a single-page website using React with over 15 reusable components.
- Enabled form submission using EmailJS, allowing direct email messages from users.
- Reached a 100/100 score on Lighthouse for performance, accessibility, SEO, and best practices.
- Deployed with GitHub Actions for continuous integration and updates.

Real Time Chat Application- MERN full stack & AI

Live Demo

- Created a chat app with live message exchange using WebSockets and Socket.io, with delays under 100ms.
- Used JWT to protect user sessions and validate access on each request.
- Managed application state with Zustand, which improved rendering time by about 25% compared to Redux.
- Uploaded and served media files through Cloudinary, reducing image load time by around 35%.
- Designed over 25 backend API routes and tested functionality using Postman.

Achievements

- Solved 350+ DSA problems across LeetCode and other competitive coding platforms.
- Earned **6 LeetCode badges** for consistent designing efficient solutions and topic completion.
- Reduced project load times by **30–40%** through bundling and frontend optimization.
- Successfully built 10+ working projects, applying development expertise.
- Used Git version control with over 500 commits and 30 pull requests across projects.