

AYUSH KUMAR SINGH

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LinkedIn

GitHub

LeetCode

GeeksforGeeks

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering - **8.5 CGPA**

Aug 2022 – Sep 2026

Bhopal, Madhya Pradesh

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering, Web Technologies, Component-Based Architecture

WORK EXPERIENCE

Bluestock Fintech

Apr 2025 – May 2025

Full-Stack Developer Intern (MERN Stack)

Remote

- Engineered a full-stack IPO data dashboard using the **MERN stack**, building a RESTful API with **Node.js & Express** and a dynamic front-end with **React.js**
- Designed and optimized **MongoDB schemas and queries** to efficiently serve real-time financial data, ensuring high performance for user-facing features
- Implemented secure user authentication and authorization features using **JWT**, protecting API endpoints and managing user access control

TECHNICAL PROJECTS

🔗 Quick Court - Sports Venue Booking Platform | JavaScript, React, Node.js, Express, MongoDB, Tailwind CSS

Aug 2025

- Engineered a full-stack platform using **React component architecture** with reusable UI components and responsive design
- Demonstrated strong **ownership and responsibility** by leading development from concept to deployment, serving 3 user roles
- Architected RESTful APIs with JWT authentication, integrated Cloudinary for image management, reducing media load time by **40%**
- Selected as **finalist among 19,000+ participants** in Odoo Hackathon through excellent **collaboration and communication**

🔗 URL Shortener Service | JavaScript, Node.js, Express, MongoDB, REST APIs

Jan 2025

- Developed scalable service with analytics dashboard using modern **JavaScript** practices and efficient algorithms
- Implemented secure authentication system and rate limiting, processing **500+** daily URLs with **99.8%** uptime
- Optimized database queries and API performance, improving response time by **30%** for high-traffic endpoints

🔗 Devtinder - Social Platform Backend | JavaScript, Node.js, Express, MongoDB

Jun 2024

- Built social networking backend with user matching algorithm using **JavaScript** and modern async programming patterns
- Achieved **1.2s average response time** through optimized data structures and efficient database design
- Demonstrated strong **collaboration skills** working in team environment to deliver robust backend system

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, Java, C++, SQL
- **Component Architectures:** React, Component-Based Design, State Management
- **Frontend Technologies:** CSS, SASS, Tailwind CSS, HTML5, Responsive Design
- **Backend & Databases:** Node.js, Express.js, REST APIs, MongoDB, MySQL
- **Development Tools:** Git, GitHub, Postman, Agile Methodologies
- **Professional Skills:** Team Collaboration, Distributed Team Communication, Project Ownership, Problem Solving

ACHIEVEMENTS

Odoo Hackathon 2025 Finalist - Selected among top projects from 19,000+ participants through excellent teamwork and technical execution

Ranked among **top coders at VIT campus** with 15,000+ students, showcasing strong problem-solving skills