

AYUSH KUMAR SINGH

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🌐 [LinkedIn](#)

🐙 [GitHub](#)

🔗 [LeetCode](#)

🔗 [GeeksforGeeks](#)

EDUCATION

VIT Bhopal University

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

Sun Valley Public School

Senior Secondary Education - 82.8%

Apr 2019 – Jun 2021

Varanasi, Uttar Pradesh

Guru Nanak English School

Secondary Education - 88.5%

Mar 2014 – May 2019

Varanasi, Uttar Pradesh

TECHNICAL PROJECTS

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

Aug 2025

- Engineered a full-stack sports venue booking platform serving 3 user roles, selected as **finalist among 19,000+ participants** in Odoo Hackathon
- Architected RESTful APIs with JWT authentication and role-based access control, integrated Cloudinary for image management, reducing media load time by **40%**
- Built real-time booking and payment integration features, along with analytics dashboard and calendar-based availability system

🔗 URL Shortener Service | *Node.js, Express, MongoDB, JWT*

Jan 2025

- Developed a scalable URL shortening service with analytics dashboard, processing **500+** daily shortened URLs with **99.8%** uptime
- Implemented JWT authentication middleware and rate limiting, securing API endpoints against unauthorized access and reducing security vulnerabilities by **75%**
- Optimized database queries using MongoDB indexing, improving API response time by **30%** for high-traffic endpoints

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

Jun 2024

- Built social networking backend with user matching algorithm, achieving **1.2s** average response time for profile search and matching operations
- Designed MongoDB schemas and indexing strategies to ensure smooth performance with scalable user base

TECHNICAL SKILLS

- **Web Development:** Proficient in full-stack development using Node.js, Express.js, React.js, and Tailwind CSS; experienced in building REST APIs, JWT authentication, and responsive UI design
- **Databases & Tools:** Hands-on experience with MongoDB, query optimization, indexing; skilled in using Git, GitHub, Postman and Cloudinary
- **Programming & Soft Skills:** C/C++, Java, JavaScript, SQL; strong in problem solving, team collaboration, technical communication
- **Cloud Computing:** AWS Certified Cloud Practitioner (*GeeksforGeeks*) 🔗 [Certificate Link](#)
Tech Stack: AWS, Cloud Fundamentals, Cloud Security, Cloud Architecture

ACHIEVEMENTS

Ranked among the **top coders at VIT campus** with 15,000+ students

Odoo Hackathon 2025 Finalist - Selected among top projects from 19,000+ participants

LEADERSHIP & ACTIVITIES

Chess Tournament Organizer & Competitor (2023) - Secured **2nd position** among 350+ participants