

# Abhishek Kumar

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## SKILLS

- **Languages:** C++, JavaScript (ES6+), C, PHP, Python, Java
- **Frontend:** React.js, Vite, HTML5, CSS3, Tailwind CSS, Responsive UI
- **Backend:** Node.js, Express.js, Socket.io, JWT Authentication
- **Databases:** MongoDB (schema design, indexing), PostgreSQL, MySQL
- **Tools/Platforms:** XAMPP, Postman, Git, Vercel
- **AI & APIs:** Google Gemini API, Prompt Engineering, Generative AI
- **Soft Skills:** Communication, Teamwork & Collaboration, Problem-Solving



## PROJECTS

- **BidMaster – Auction & Bidding Web Application** |  October 2025
  - Engineered a production-ready full-stack web application with role-based access control (Bidder, Seller, Admin) secured via JWT authentication and password hashing, deployed on Vercel
  - Implemented real-time bid broadcasting using Socket.io, delivering instant updates across all connected clients with zero page refresh, improving user engagement and platform responsiveness.
  - Designed and developed 10+ RESTful API endpoints with Node.js and Express.js, structured MongoDB schema across 4 normalised collection with indexed fields for optimized query performance.  
**Tech:** React.js, Node.js, MongoDB, Socket.io, JWT, JavaScript, Vercel
- **AI Tutor – Intelligent Learning Assistance Platform** |  May 2025
  - Enabled personalized academic support through an adaptive learning system driven by real-time user interactions.
  - Powered instant, context-aware learning assistance via an AI conversational agent that resolves queries and explains concepts on demand.
  - Elevated learner engagement with a responsive, secure interface combining structured lessons, immediate feedback, and scalable content delivery.  
**Tech:** HTML, CSS, JavaScript, Bootstrap, APIs
- **Path - Finder – A Web based Shortest route & Navigation System** |  April 2025
  - Independently built a complete navigation web app from scratch, handling everything from the initial UI design to the final deployment—demonstrating full project ownership..
  - Developed a mobile-friendly interface (Tailwind CSS, Leaflet.js) that calculates the shortest routes for driving, cycling, and walking with real-time distance and ETA results..
  - Integrated live mapping and location services (OSRM, OpenStreetMap) to support browser geolocation and address searching, ensuring a smooth and accurate user experience..  
**Tech:** HTML, CSS, JavaScript, Leaflet.js, OpenStreetMap APIs

## CERTIFICATES

- C++ Programming: OOPs And DSA by CSE Pathshala |  August 2025
- Introduction to Generative AI |  July 2025
- Cloud Computing by Swayam (NPTEL) |  April 2025
- Responsive Web Design by freeCodeCamp |  October 2023

## EXTRACURRICULAR ACTIVITIES

- 2nd Runner-Up, One India: Secured 3rd place representing Ladakh in LPU's flagship festival of 30,000 + students. |  October 2025
- Social Awareness (JEEVAN): Mentored, taught, and provided meals for underprivileged children through community outreach. |  June 2025

## EDUCATION

- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 7.11* August 2023 - Present
- **D.A.V Public School** Dhanbad, Jharkhand  
*Intermediate; Percentage: 85* April 2021 - March 2022
- **Rajkamal Saraswati Vidya Mandir** Dhanbad, Jharkhand  
*Matriculation; Percentage: 81* April 2019 - March 2020