

Aman Vishwakarma

Software Engineer

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PROFILE

Dynamic Full Stack Developer with over two years of experience in creating innovative web solutions and optimising project efficiency. Proficient in modern web frameworks, backend development, and authentication mechanisms, demonstrating a strong ability to enhance user engagement and system performance. Successfully collaborated with peers and mentors to significantly reduce project delivery times while improving overall outcomes. Committed to leveraging expertise in cutting-edge technologies to drive impactful results and foster collaborative environments for future projects.

EDUCATION

APJ ABDUL KALAM TECHNICAL UNIVERSITY

Banthara, UP

Bachelor of Technology (B.Tech) in Computer Science

Aug 2021– Jul 2025

Division: 1st Division

Relevant Coursework: Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Operating Systems, Computer Networks, Artificial Intelligence, Computer Organization and Architecture, Theory of Computation, Human-Computer Interaction, Cloud Computing.

UP BOARD Class 12

Lucknow ,UP Apr 2019-Mar 2020

Rank: 1st Rank in School

Relevant Coursework: Mathematics, Physics and Chemistry

Preparation for IIT JEE During Gap Year

2020 - 2021

SKILLS

From Nov 2022

Web Development: React.js, Next.js, Tailwind CSS, HTML5, CSS, JavaScript, Bootstrap

Programming: C++, Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), STL

Software Development: Node.js, REST APIs, Authentication(JWT/OAuth), Docker, Serverless Backend, AWS

Databases: MongoDB, PostgreSQL, SQL, Prisma

Tools & Environments: Visual Studio Code, Git, Docker, Postman, GitHub ,Vercel, Netlify, AWS

Testing & Debugging: Jest, Postman Testing, Chrome DevTools

SELECTED PROJECTS

WebWeaver

Dec 2024

• **Technologies:** React.js (TypeScript), Tailwind CSS, Axios, Node.js, Express.js, Groq SDK, dotenv, Vercel

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• Developed an AI-powered platform that converts natural language prompts into functional websites with real-time code and preview sections. Implemented a prompt search field for seamless AI interaction, enhancing project development efficiency by 30

Portfolio

Mar 2024

• **Technologies:** Next.js, Tailwind CSS

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• Developed a sleek, modern portfolio using Next.js and Tailwind CSS, improving web development skills by 30%, including expertise in responsive design and optimizing performance for better user experience with smooth navigation and detailed project previews

Paytm Clone

Jan 2024

• **Technologies:** React.js, Tailwind CSS, Node.js, Express.js, MongoDB, CORS, Axios

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• Built a web application simulating a money transfer platform with secure user authentication and data storage.

• Implemented search functionality, optimizing contact retrieval by ~30%.

• Utilized RESTful APIs to facilitate 100+ CRUD operations for user management and transactions during testing

Filter System (Expense Tracker)

Nov 2023

• **Technologies:** React, JavaScript

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• Designed an advanced expense tracker with a robust filter system inspired by Amazon and Flipkart. Enabled users to organize expenses by date and gain visual insights , resulting in a 25% increase in user satisfaction.

WORK EXPERIENCE

Completed web development training with hands-on experience in front-end and back-end technologies, contributing to 5 major projects. Gained expertise in authentication mechanisms and modern web frameworks, improving project efficiency by 20%. Collaborated with 6 mentors and peers to streamline project processes, leading to a 30% reduction in project delivery time.

Self-Taught Full Stack Developer

Independent Projects (Dec 2022 - Present)

• Developed 10+ web projects using Next.js, Tailwind CSS, React, and Node.js, increasing user engagement by 30%.

• Engineered backend solutions with C++, boosting system performance by 40% and reducing security vulnerabilities by 25%.

• Ranked in the top 24 of a hackathon with a virtual fitting room project, leading to a 15% increase in team project outcomes.

ACHIEVEMENTS

Solved 500+ algorithmic problems on LeetCode, placing in the top 5% of users, and achieved top 10% rankings on Geeksforgeeks and CodeChef.

Maintained streaks of 365+ days on LeetCode and GFG, and 500+ days on CodeChef, showcasing consistent commitment to mastering C++.

Completed an intensive full-stack web development program with Cohort 2.0, ranking in the top 10% of the class.