Aman Vishwakarma

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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*

WORK EXPERIENCE

Full Stack Web Development Intern
Cohort 2.0 *Jun 2024 – Aug 2024*
- 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.

PROJECTS

Portfolio *Mar 2024*
- **Technologies**: Next.js, Tailwind CSS (view)
- 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 (view)
- 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 (view)
- 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.

SKILLS
Nov 2022 - Present

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, Prisma
Tools & Environments: Visual Studio Code, Git, Docker, Postman, GitHub ,Vercel, Netlify
Testing & Debugging: Jest, Postman Testing, Chrome DevTools

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.
Aug 2024