# 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

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

#### **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

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

Mar 2024

(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  $\sim 30\%$ .
- 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.

## **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.