

Ashwani Kumar Arya

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ABOUT ME

I'm a Computer Science undergraduate with a solid grasp of Java, Python, and C++, and a growing expertise in web development using the MERN stack. I enjoy building efficient, real-world solutions and have a strong interest in AI, software development, and database systems. I'm a quick learner who thrives on solving problems and continuously improving through hands-on practice.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++

Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB

Tools & Platforms: Git, Firebase, VS Code, Postman

Database: MySQL, MongoDB

PROJECTS

FLARE- FULL STACK DELIVERY APP

- Collaborated with a team to design and develop a MERN stack application to deliver groceries, food, and sports items.
- Implemented secure user authentication and role-based access for over 200+ users.
- Integrated a dynamic shopping cart, reducing checkout time by 40%.

TRENDMIND

- Built a web app for users to discover, compare, and download trending AI models.
- Implemented user authentication, detailed model cards with real-time metrics and side-by-side comparisons, increasing engagement by 25%.

NETWORK SCANNER

- Developed a full-stack web app using MERN to scan local networks, identify active devices, detect open ports and detect OS.
- Implemented network scanning logic in the backend and created a responsive frontend to display results.

FFCS SLOT PLANNER

- Developed a web app using MERN for organizing academic schedules with a drag-and-drop interface.
- Implemented real-time slot allocation, responsive design, and intuitive controls for managing classes, built using React and modern CSS.

CERTIFICATES

- **NPTEL** - INTRODUCTION TO MACHINE LEARNING
- **GOOGLE** - THE BITS AND BYTES OF COMPUTER NETWORKING
- **IBM** - CYBER SECURITY ANALYST
- **IAMNEO** - MERN STACK DEVELOPER

EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology

Major in Computer Science and Engineering

Cumulative GPA: 8.67/10

Relevant Coursework: Data Structure and Algorithm, Database Management System, Operating System

Bhopal, Madhya Pradesh

Expected May 2027

BAL BHARATI PUBLIC SCHOOL

Class 12 Percentage: 91.2%

Ludhiana, Punjab

2023