

Ashwani Kumar Arya

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PROFESSIONAL SUMMARY

Computer Science undergraduate skilled in Java with hands-on experience in full-stack development (MERN). Strong interest in AI, cloud computing, and database systems. Proven ability to build scalable web applications and optimize performance. A quick learner who thrives on solving problems and continuously improving through hands-on practice.

TECHNICAL SKILLS

Programming Languages: Java, Python

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

Tools & Platforms: Git, Firebase, VS Code

Database: MySQL, MongoDB

EXPERIENCE/PROJECTS

FLARE- FULL STACK DELIVERY APP

- Designed and developed a MERN stack application for grocery, food, and sports item delivery.
- Implemented secure authentication and role-based access control (admin, vendor, customer).
- Built a dynamic shopping cart with real-time updates to improve checkout flow and architected the system to be scalable for handling larger order volumes in the future.

TRENDMIND- AI MODEL DISCOVERY PLATFORM

- Engineered a web app for exploring, comparing, and downloading trending AI models.
- Implemented user authentication for personalized model access.
- Developed detailed model cards with metrics and side-by-side comparison features and designed a responsive interface with React.js to ensure accessibility across devices.

NETWORK SCANNER

- Developed a full-stack app to scan local networks, identify active devices, open ports, and OS types.
- Optimized and implemented backend scanning logic with Node.js & Express.js for accurate detection and created a React.js frontend to visualize scan results in real-time.

FFCS SLOT PLANNER

- Developed a web app using React.js, Node.js and Express.js 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.

CERTIFICATIONS

- NPTEL – Introduction to Machine Learning (Regression, Classification, Model Evaluation)
- GOOGLE - The Bits and Bytes of Computer Networking (Networking Fundamentals, TCP/IP, DNS)
- IBM - Cyber Security Analyst (Network Security, Risk Analysis, Threat Detection)
- IAMNEO – MERN Stack Developer (MongoDB, Express.js, React.js, Node.js)

EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology

Major in Computer Science and Engineering

Cumulative GPA: 8.80/10

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

Bhopal, Madhya Pradesh
2023-Present

BAL BHARATI PUBLIC SCHOOL

Class 12 Percentage: 91.2%

Ludhiana, Punjab
2023

