Piyush Pal

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EDUCATION

Vellore Institute of Technology (VIT), Bhopal   **2022-2026**
B.Tech in Computer Science and Engineering with Specialization in Cloud Computing and Automation   CGPA: 8.41

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript
- **Framework/Tools:** Node.js, React, Express.js, MySQL, Git, GitHub, Vite
- **Cloud & DevOps:** Amazon Web Services (AWS), Docker (basic), Kubernetes
- **Core Courses:** Object-Oriented Programming System (OOPS), Data Structures and Algorithms (DSA), Database Management System (DBMS), Operating System (OS), Computer Networks (CN)
- **Soft Skills:** Problem Solving, Communication, Teamwork, Adaptability, Collaboration, Analytical Thinking

TECHNICAL EXPERIENCE

Ethnus MERN Stack Certification Program | Link ↗   Jan 2025-Apr 2025
- Gained hands-on experience in building scalable and dynamic web applications using MongoDB, Express.js, React, and Node.js, including front-end development, back-end integration and database management.

IBM Adroit Cyber Security Analyst | Link ↗   Jan 2025-Apr 2025
- Completed training in network security, threat detection, incident response, and vulnerability assessment, gaining hands-on experience with industry-standard cybersecurity tools.

PROJECTS

E-Commerce Web Application   Dec 2023
- Built the backend using Node.js and ExpressJS, incorporating JWT authentication for secure user access and building CRUD APIs to manage data within a MongoDB database.
- Constructed the frontend with ReactJS, featuring distinct user views for product exploration, shopping cart functionality, and checkout processes, alongside a comprehensive administrator dashboard for product and order management

Anicare - Animal Welfare Website   Apr-2024
- Built a full-stack animal welfare platform using the MERN stack with role-based access, adoption workflows, and secure donation integration.
- Developed a responsive UI with React, Redux, and Tailwind CSS, and optimized APIs with JWT authentication, bcrypt, and middleware validation.
- Deployed on AWS/Heroku with Docker, ensuring scalability, security, and reliable performance.

NEWS Aggregator Website   Jan 2025
- Built a MERN stack app that fetches real-time headlines using News API.
- Implemented search, category filters, and pagination for better user experience.
- Showcased API integration and dynamic content rendering.

ADDITIONAL INFORMATION

Certifications: The Bits and Bytes of Computer Networking (Coursera), AWS Cloud Practitioner Essentials (Coursera), 10 days Training on Artificial Intelligence Machine Learning & Deep Learning, Embedded System Design and IoT (EdGate), TCS iON Career Edge - Young Professional (TCS iON)
Achievement: Qualified Initial Stage of Adobe India Hackathon 2025, showcasing problem-solving and technical proficiency in competitive coding challenges.
Hobbies: Exploring cybersecurity trends, ethical hacking, penetration testing, and secure web application development.