

Ashish Rawat

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EDUCATION

B.Tech in Computer Science and Engineering 2022–2026 (Exp.)
VIT Bhopal University, Madhya Pradesh CGPA: 8.60

EXPERIENCE

Backend Developer Intern Dec 2024 – Feb 2025

B-IOT Solutions Pvt Ltd, Remote

- Built scalable **REST APIs** using **.NET Core**, **ASP.NET**, **MySQL Server 2022**, improving data efficiency by **40%**.
- Developed **MVC modules** with **MudBlazor** and 10+ reusable components, reducing **UI lag by 35%**.
- Applied **OOP principles** for clean, maintainable backend logic.
- Enhanced **UI** with **Blazor** and **HTML/CSS**, driving 500+ interactions and 20% more engagement.
- Used **Azure DevOps** for **version control**, **CI/CD pipelines**, and **release tracking**.

PROJECTS

Advanced Face Detection System [CelestialFace] Apr 2024 – May 2024

Python, OpenCV, CNN, NumPy, Haar Cascades

- Built a real-time **face detection system** using **OpenCV** and a custom **CNN**, achieving **92% accuracy**.
- Applied **face alignment** and pre-filtering techniques to reduce false positives by **15%**.
- Used **batch normalization** and **data augmentation** to improve training speed by **25%**.
- Benchmarked on 50+ test cases, lowering **memory usage by 18%**.

Admin Portal Suite [Student Portal & HR Portal]

Jan 2025

C#, .NET Core, MudBlazor, MS SQL Server, Entity Framework

- Developed full-stack **dashboards** for student and HR management workflows.
- Implemented secure **RBAC rules** and **CRUD functionality**, improving **admin efficiency by 40%**.
- Optimized **MS SQL Server schemas** and queries, reducing **backend latency by 35%**.

VaultValue – Smart Inventory Management System

Jul 2025

React.js, Node.js, Express, MongoDB, ML (scikit-learn), Recharts

- Built an **AI-driven inventory system** during **Walmart Sparkathon 2025** for monitoring stock levels and forecasting demand.
- Designed **ML models** to detect usage spikes and predict inventory depletion, enabling proactive restocking.
- Created a **React.js + Recharts dashboard** for real-time stock trends and low-inventory alerts.
- Improved alert responsiveness and reduced **stockout incidents by 30%**.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, C#, JavaScript, HTML/CSS
- **Frameworks & Libraries:** Node.js, Next.js, React.js, .NET Core, Flask, MudBlazor, Bootstrap
- **Databases & Tools:** MySQL, MS SQL Server, REST APIs, Docker, Git, GitHub, Azure DevOps

CERTIFICATIONS

- **Blockchain Developer** — IBM Career Education Program (2025) [\[Link\]](#)
- **Java Foundations Associate** — Oracle University Training (2025) [\[Link\]](#)
- **Generative AI and ChatGPT** — GeeksforGeeks (2025) [\[Link\]](#)
- **AWS Certified Solution Architect Associate** — GeeksforGeeks (2025) [\[Link\]](#)

ACHIEVEMENTS

- **Zelestra x AWS ML Ascend Challenge (Jun 2025)** — Forecasted solar energy generation using **LightGBM**, **CatBoost**, **Keras** in AWS pipelines; scored **89.86 in Phase 1**. [\[Link\]](#)
- **BlockDAG Hackathon 2025 (Jul 2025)** — Advanced to **Round 2** with **GhostWallet**, a decentralized wallet system addressing **scalability and privacy**.
- **Deloitte Data Analytics Job Simulation – Forage (Jun 2025)** — Analyzed telemetry data in **Tableau** and investigated pay patterns using **Excel** in a virtual case study. [\[Link\]](#)
- **Walmart Sparkathon (June 2025)** — Built a real-time **inventory tracking system** with **low-stock alerts** and **ML-based demand prediction** to prevent shortages. [\[Link\]](#)
- **Honeywell Campus Connect Hackathon (Round 2 [Case Round]) (August 2025)** — Developed a **Food Beverage Quality Anomaly Detection** model using **Isolation Forest** to monitor bakery production, flag anomalies, and improve product quality. [\[Link\]](#)