ASHISH RAWAT

📞 9870835100 | ✉️ theashishrawat360@gmail.com | in linkedin.com/in/ashish-rawat-a0ba1a251 | ⌾ github.com/Ashish252003

EDUCATION

VIT Bhopal University　　　　　　　　　　　　　　　　**Expected Graduation – 2026**
B.Tech in Computer Science and Engineering　　　　　　　　　　　　　　　*CGPA: **8.57** / **10***

EXPERIENCE

Backend Developer Intern [Link]　　　　　　　　　　　　　　**Dec 2024 – Feb 2025**
B-IOT Solutions Pvt Ltd　　　　　　　　　　　　　　　　　　　　　　　*Remote*
- Built scalable **REST APIs** using **.NET Core**, **ASP.NET**, and **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 [GitHub]　　　　　　　　　　**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%** in challenging and diverse conditions.
- Used **batch normalization** and dynamic data augmentation to improve model training speed by **25%** and generalization.
- 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 admin dashboards** using **C#**, **.NET Core**, and **MudBlazor** for student and HR management workflows.
- Created **10+ reusable UI components** and implemented secure **RBAC rules** for scalable and modular access control.
- Enabled advanced filtering and full **CRUD** functionality, improving admin efficiency by over **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 the **Walmart Sparkathon 2025** to monitor stock levels, forecast demand, and generate real-time alerts.
- Designed and implemented **ML models** to detect usage spikes and predict inventory depletion, boosting proactive restocking.
- Created a **centralized dashboard** using **React.js + Recharts** to visualize stock trends, order alerts, and low-inventory warnings.
- Developed secure backend APIs with **Node.js**/**Express** and managed data using **MongoDB Atlas**.
- Improved alert responsiveness and reduced stockout incidents in simulations by over **30%**.

TECHNICAL SKILLS

- **Languages:** Python, Java, C#, JavaScript, HTML/CSS
- **Frameworks**/**Tools:** React.js, .NET Core, Flask, MudBlazor, Swagger, REST APIs
- **Databases & Concepts:** MySQL, MS SQL Server, OOP, DSA, Software Design

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** (**June 2025**) — Scored **89.86** in Phase 1 by forecasting solar energy generation using **LightGBM**, **CatBoost**, and **Keras** in **AWS** pipelines. [Link]
- **BlockDAG Hackathon 2025: Scale Without Sacrifice** (**July 2025**) — Advanced to Round 2 by building **GhostWallet**, a decentralized wallet system addressing scalability and privacy.
- **Deloitte Data Analytics Job Simulation – Forage** (**June 2025**) — Analyzed telemetry data in **Tableau** and investigated unfair pay patterns using **Excel** in a virtual case study. [Link]