

Ashish Rawat

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SUMMARY

Computer Science undergrad specializing in CSE Core. Expert in Python, Java, and C++, with skills in blockchain, cloud, and responsive web design. Built an OpenCV face recognition system; experienced in project management and leadership.

EXPERIENCE

Backend Developer

B-IOT Solutions Pvt Ltd

December 2024 - February 2025

- Designed and deployed RESTful APIs using Swagger, ensuring seamless database connectivity with MySQL Server 2022.
- Built and tested APIs, integrating them with **MudBlazor** for improved frontend functionality.
- Gained hands-on experience in **SQL**, optimizing database queries for efficiency.
- Automated API testing using **Postman**, improving reliability and debugging efficiency.
- Architected robust UI components using HTML and CSS, which contributed to the successful launch of a revamped website; received positive feedback from over 50 0 users within the first month of deployment.
- Engineered scalable microservices architecture, enhancing system performance and supporting increased demand across multiple business platforms
- Integrated advanced caching strategies to reduce latency and server load, ensuring seamless data flow and improved user experience across enterprise solutions.

PROJECTS

Advanced Face Detection System [OpenCV & CNN]

VIT Bhopal • April 2024 - May 2024

- Engineered an advanced face detection system utilizing OpenCV and a Convolutional Neural Network (CNN), attaining 92% accuracy in face identification and localization. Integrated real-time detection capabilities, ensuring efficient processing and quick response times for live applications.
- Optimized the detection model to reduce **false positives by 15%**, enhancing overall performance and reliability.
- Fine-tuned model parameters and architecture to improve precision, robustness, and user experience in practical applications.
- Refined data processing pipeline, enabling faster training times and scalability to accommodate larger datasets, ultimately enhancing model robustness and deployment efficiency in diverse environments.
- Implemented cross-platform compatibility, facilitating seamless deployment across various operating systems and devices, thus broadening the system's applicability and reach.

EDUCATION

Bachelor of Technology

VELLORE INSTITUTE OF TECHNOLOGY BHOPAL

• Bhopal, Madhya Pradesh

• 2026 • 8.63

12th Standard

Boston Public School

• Agra, Uttar Pradesh

• 2021 • 8.12

10th Standard

St. Conrad's Inter College Agra

• Agra, Uttar Pradesh

• 2019 • 9.12

CERTIFICATIONS

Blockchain Developer

IBM Career Education Program • 2025

- Demonstrated advanced proficiency in building and implementing blockchain solutions, including smart contract development and DApp architecture.

Java Foundations Associate

Oracle University Training • 2025

- Demonstrated foundational proficiency in core Java syntax, data types, control structures, and basic object-oriented programming.

SKILLS

- Languages:** Java, C++/C, Python, HTML/CSS, JavaScript
- Frameworks:** .Net core , Entity framework, Swagger, MudBlazor, Flask, OpenCV, Bootstrap / Tailwind CSS, Blazor
- Tools:** Swagger, Postman, MySQL Server 2022, MudBlazor, OpenCV, Visual Studio / Visual Studio Code
- Databases:** MySQL, MongoDB, Microsoft SQL Server 2022, SQLite
- Technologies:** Data Structures, Algorithms, RESTful Web Services, REST API, **Microservices (Microsoft services)**