

VATSAL AGARWAL

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EDUCATION

Bachelor of Technology in Computer Science, *GLA University, Mathura*, **CGPA : 8.26** 2023-2027
Intermediate, S R International School, Bareilly, *Percentage : 83.4%* 2023
High School, S R International School, Bareilly, *Percentage : 94%* 2021

PROJECTS

Beacon – AI-Driven Agile Optimization Engine (*Team Project, January 2026*) [Link](#)

- Architected the modular MERN-stack repository structure and managed the primary codebase, overseeing code reviews and version control for the 5-member team.
- Engineered backend REST APIs and heuristic algorithms in Node.js to automate velocity forecasting, workload balancing, and real-time sprint health scoring.

Pharos – Secure File Storage Service (*Personal Project, February 2026*) [Link](#)

- Built a full-stack secure file storage application with a Java and Spring Boot backend to handle user authentication, robust data management, and secure file transactions.
- Implemented a responsive, type-safe client interface utilizing React, TypeScript, and Vite to ensure seamless file retrieval and high front-end performance.

SKILLS

Programming Languages: Java, JavaScript, Python, SQL

Web Technologies: HTML5, CSS3, JavaScript, Node.js, Express.js, REST APIs

Machine Learning & AI: PyTorch, TensorFlow, Scikit-learn, OpenCV, LangChain

Data & Visualization: NumPy, Pandas, Matplotlib

Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, Ansible

Professional Skills: Communication, Leadership, Cross-Functional Collaboration

INTERNSHIP/ TRAINING EXPERIENCE

BAOIAM Innovations Pvt. Ltd, Noida

June 2024 – July 2024

Research & Development Intern

- Collaborated with senior team members to develop and enhance products. Participated in brainstorming sessions and assisted in creating and testing prototypes.
- Participated in the requirement gathering and prototype building process of software development.

DevOps - Job Oriented Value-Added Course, GLA University, Mathura

June 2025 – July 2025

Trainee

- Completed hands-on training in **CI/CD, containerization, and cloud deployment**.
- Gained practical experience with **Git, Docker, Kubernetes, Jenkins, Ansible, and AWS**.

PROFESSIONAL ACHIEVEMENTS/ INSIGHTS

- Certified in Generative AI and Software Development by Oracle and Microsoft.
- Team Lead & Backend Developer for a 6-member team at Smart India Hackathon (SIH-2025) — led core model training, system design, task delegation, and backend implementation.
- Coordinated Entrevista 2.0, a technical event at GLA (April 2024), overseeing planning, execution and evaluations.