KESAR MAURYA

📞 +91 9958713162 ✉ mauryakesar493@gmail.com 🔗 linkedin.com/in/kesar 🐙 github.com/KesarMaurya04

Education

Indira Gandhi Delhi Technical University for women *August 2021 – May 2025*
Bachelor of Technology in Computer Science with AI *GPA : 8.1*

Experience

Ultimate Kronos Group (UKG) *Jan 2025 - June 2025*
Software Development Internship *Noida*

- Resolved **20+ backend and frontend issues** in a **large-scale workforce scheduling system** by debugging Java Spring MVC applications and fixing JSP/JavaScript integration bugs, improving system stability.
- Implemented **OAuth2.0 Client Credentials (M2M) authentication** in a Java microservice using Google Secret Manager and Spring Security, enabling secure, token-based API communication.
- Developed **REST APIs** to integrate a legacy service with a modern Java microservice, using secure M2M auth flows and backend triggers for seamless system interoperability.
- Created and maintained **100+ JUnit test cases**, **increasing test coverage by 25%** and reducing post-release defects through effective test-driven development practices.
- Identified and fixed **XSS vulnerabilities** by improving input sanitization in calendar and form modules, enhancing application security

SteamEdu *May 2023 - July 2023*
Metaverse Research Internship *Remote*

- Specialized in **a-frame, HTML, Unity** as an **AR/VR developer** by the **SteamEdu-** a research based Institute.
- Developed an immersive VR experience to promote the "Bharat ke Veer" initiative, leading a cross-functional team of 4 members. The project was highly acclaimed for its innovation and impact. ".

Technical Skills

Languages: JavaScript, **C++, Java,** SQL, HTML5, Python, Java Server Pages(JSP)
Technologies/Frameworks: Spring Boot, Spring mvc, Nodejs, ReactJS, Vite, Tailwind CSS, AR/VR, Kubernetes
Databases: PostgreSQL, Oracle SQL
Developer Tools: VS Code, Git/Github , Intellij, Unity, Docker, Xterm, Jira, Jenkins, Confluence, Postman
Aritificial Intelligence: Machine Learning/ Deep Learning

Projects

Veer Bhavan | VR Application | A-Frame, HTML, JavaScript **[GitHub]**

- Built a VR-based experience using A-Frame to honor soldiers under the **"Bharat ke Veer"** initiative.
- Designed interactive virtual rooms highlighting soldier stories with links for users to contribute to their families.

Flower Classification | Deep Learning Project | TensorFlow, Keras, Pillow **[GitHub]**

- Developed a deep learning model using a dataset of 5 species, achieving 95.45% validation accuracy and a **validation loss of 0.210**
- Engineered a modular machine learning architecture, improving code structure and reducing debugging time by **25%**.

Sahayak Website | Web Application | HTML, CSS, JavaScript, React **[GitHub]**

- Built an engaging and accessible UI for the **"Sahayak"** platform, improving usability for seeking household help.
- Developed responsive layouts and interactive filters to enhance navigation and profile browsing experience.

Achievements/ Extra curricular

- Participated and **cleared round 1** of **Walmart CodeHers 2025**.
- Solved **500+** DSA and CP problems across platforms showcasing strong problem-solving skills.
- Co-authored a research paper accepted for publication in the **International Conference on Information Technology and Electrical Engineering (ICITEEB)** journal.
- **Tutored Chemistry** for **3 years** (Jan 2021 - Jan 2024), mentoring **25+** senior students
- Certified as an **Intermediate-level Spanish speaker**, demonstrating proficiency in a second language.

Profiles

Portfolio **Leetcode** **Codestudio** **GeeksforGeeks**