Layeba Irshad

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   ⌨ https://github.com/layebairshad   🔗 https://layebairshad-portfolio.vercel.app/

Education

Vellore Institute of Technology   Bhopal, MP
B.Tech Computer Science and Engineering specialization in Health Informatics   Sept 2022 – May 2026
- GPA: **8.8/10.0**
- Relevant Coursework: **Data Structures and Algorithms**, Object-Oriented Programming, **Operating Systems**, **Database Management System**, **Computer Networks**, Data Science, Data Mining, **Machine Learning**

Experience

Front-End Developer ([Live Product ↗]) | Metal Smith, Delhi   Sep 2024 – Dec 2024
- Developed the complete frontend using ReactJS, HTML, CSS, and JavaScript, implementing responsive and reusable components that enhanced usability and scalability.
- Implemented a **CI/CD workflow** reducing deployment time by 60% and minimizing operational errors.
- Collaborated in **Agile teams** to deliver client-focused solutions; partnered cross-functionally to analyze user behavior data with **Google Analytics**, informing product decisions and improving engagement by 35%.
- **Technologies**: ReactJS, CSS, HTML, JavaScript, Google Analytics

Technical Skills

C++, **Java**, Python, **SQL**, **MongoDB**, **ReactJS**, HTML, CSS, JavaScript, Tableau, Data Analysis, Microsoft Excel, Agile Methodology, **CI/CD**, Git, Github, Figma, Docker, Cloud Computing, **Salesforce** (Trailhead Rank: Ranger)

Projects

AeroServe | Airline Service Management System ↗   Jun 2025 – Aug 2025
- Developed and managed real-time airline operations for 1000+ transactions/month, ensuring accurate booking, cancellation, and settlement with **optimized MySQL queries**.
- Implemented GUI using **Java Swing** with real-time back-end integration via MySQL, **reducing manual data entry errors** by 30%.
- Architected **relational database schema** and implemented **secure login**, record handling, and automated ticketing workflows, improving operational efficiency by 25%.
- **Technologies**: Java, Swing, AWT, MySQL, Netbeans

EXPert | Effortless Expense Manager Budget Planner ↗   Jan 2025 – Apr 2025
- Engineered a **full-stack MERN** data-centric financial dashboard that allowed users to track and analyze their expenses, reducing manual tracking by 70%.
- Architected secure **JWT authentication** with **Redux**, reducing login/session errors by 40% and ensuring robust access control with a seamless user experience.
- Deployed the application via Vercel and **Docker containerization**, accelerating deployment speed by 50% and delivering a scalable, production-ready platform with improved UI/UX for end-users.
- **Technologies**: React.js, Node.js, JWT, Docker, MongoDB, Vercel

DocQ | Document Querying Software ↗   Feb 2024 – May 2024
- Orchestrated an **AI-powered PDF chatbot** using **RAG**, **FAISS**, and **Google AI embeddings** for text extraction, summarization, and query answering across 1,200+ documents, ensuring data security using Python.
- Integrated Google Gemini Pro via **LangChain** improving response accuracy by 35%.
- Optimized document parsing and **vector indexing workflows**, reducing query response time by 40% and enhancing scalability for large document sets.
- **Technologies**: Python, LangChain, Google Gemini Pro, PyPDF2, FAISS, RAG

Certifications & Achievements

- IBM **DevOps Fundamentals** 2025, Coursera **Salesforce Administrator** 2025, IBM **Devops Agile and Design Thinking** 2025, IBM Agile Methodologies 2025, Full Stack MERN with MongoDB 2025 ([Certificates ↗])
- Scholar Badge Holder | **Academic Excellence** (**5 consecutive years**, 2015 - 2019), Delhi Public School

Positions of Responsibility

- **Event Management Lead** - Metaverse (AR & VR) : Executed outreach strategy for tech events, led a team of **200+ students** fostering teamwork and **stakeholder engagement**, **logistics**, and **execution under deadlines** while achieving 50% growth in participation.
- House Captain – Delhi Public School : **Led** my house in cultural and sports events, managing student participation and **event coordination**; motivated peers, delegated tasks, and fostered **teamwork** to achieve success in inter-house competitions.