

Professional Experience

<b>IT Developer, IOCL Indore (MP), India</b>	Jan24 - Present
<ul style="list-style-type: none"><li>Implemented a Styled Components library, improving development efficiency and ensuring consistent design across all pages.</li><li>Improved a responsive design library with predefined breakpoints, ensuring compatibility with 90%+ of popular devices.</li><li>Enhanced front-end architecture for a high-traffic web app, improving scalability and supporting 50% faster user growth.</li><li>Led cross-browser testing across 5+ major browsers, reducing compatibility issues by 30% and improving user experience.</li><li>Optimized the internal support ticket system by identifying 5+ key process improvements, leading to a 15% decrease in resolution time.</li><li>Gained expertise in system diagnostics and networking, resolving 80% of reported technical issues within first response time SLAs.</li></ul>	
<b>Apprentice, IOCL Indore (MP), India</b>	Sep 23 - Jan 24
<ul style="list-style-type: none"><li>Assisted in a company-wide software upgrade, improving system performance and reducing technical issues by 15%.</li><li>Identified and recommended process improvements for the internal support ticket system, reduced ticket resolution time by 20%.</li><li>Collaborated with a 5-member team, ensuring seamless execution of system upgrades and troubleshooting processes.</li></ul>	

Technical Skills

- Programming Language: C, C++, Python, Java
- Web Technology: HTML, CSS, JavaScript
- Database System: DBMS, MySQL,
- Operating System: Windows, Linux
- Tools: GitHub, Visual Studio Code, Microsoft Office

Education

Program	Institution	Year
MCA. (Computer Application)	Lovely Professional University, Punjab	2022-24
BCA. (Computer Application)	Barkatullah University, Bhopal, Madhya Pradesh	2019-22

Key Projects

<b>Railway Management System</b>	11/2020 - 02/2021
(BCA / Team Size - 3)	
<ul style="list-style-type: none"><li>Managed accounts, transactions, and customer details with robust Java programming.</li><li>Tools &amp; Technologies Used: Spring Boot, REST API, Java, Maven, Postman, SQL Workbench, IntelliJ IDEA</li><li>Designed a modular architecture using Spring Boot, ensuring high cohesion and loose coupling among components for maintainability and scalability.</li><li>Enhanced RESTful endpoints to handle key banking operations, including account creation, balance inquiry, fund transfer, and transaction history, ensuring efficient and secure data handling.</li><li>Created and managed database schemas using SQL Workbench, implemented data persistence layers, and ensured data integrity and security.</li></ul>	

- Conducted comprehensive testing of REST APIs using Postman to validate functionality, performance, and security.
- Leveraged IntelliJ IDEA for efficient code development, debugging, and project management.

### **Smart-Brain React app**

**01 - 06/2023**

(MCA / Guide: As. Prof. Sarabjit Singh, Team Size - 6)

*LPU Jalandhar, Punjab*

- **Front-End Development:** Designed the front-end with modern CSS3 and Bootstrap, making the app mobile friendly and visually appealing.
- **Back-End Development:** Developed a Node.js/Express server to handle API requests, manage user authentication, and interface with the database.
- **Database Management:** Applied PostgreSQL for persistent storage of user data and facial recognition information.
- **Deployment and Hosting:** Set up a MongoDB Atlas cloud database for user data storage and real-time data processing.
- **Technologies Used:** React, React Hooks, MongoDB Atlas, Bootstrap, CSS3, HTML5, Node.js, Express, PostgreSQL.

### **Hospital Management System**

**07 - 09/2023**

(MCA / Guide: Satwinder Singh, Team Size - 2)

*MCA, LPU Punjab*

- A platform where hospital members and clients can access the hospital management system.
- Tools & technologies used: Swing, C++
- Enforced essential features such as login and sign-up functionalities
- Incorporated the ability to follow and search for clients and hospital management
- Utilized Socket.IO technology for real-time chat functionality, resulting in a 40% reduction in response time for instant messaging and enhancing the overall user experience
- Developed a robust appointment scheduling system, enabling patients to book appointments online, and doctors to manage their schedules.

### **Coursework**

- **MCA:** Web development using PHP, Styling and scripting for WD, Advance data structure, mathematical foundation for CS, Professional ethics and Practices, Data warehousing & data mining, Linux & shell scripting.
- **BCA:** RDBMS Concept & Oracle, Software Engineering, Programming with C++ & Data Structures, management Information System, Core java, Python Programming.

### **Positions of Responsibility**

- **Tech Assistant:** CAP615 – Java Tech Assistant in One World Program, at Jalandhar LPU.
- **Project Team Leader:** CAP757 - Smart Brain React project at LPU, Punjab.

### **Others**

- Participated in the Football Champions League, Chandigarh University vs. Lovely Professional University (2022).
- Runner-up team in the One World Program (LPU Hackathon).

**Hobbies:** Football, Cricket, Music, Travelling, Watching documentaries on financial concepts & history events.