

# ATHARVA SHARMA

Kanpur, Uttar Pradesh



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## PROFESSIONAL SUMMARY

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Entry-level **Software Engineer** with strong foundations in **C++17**, **Java 17**, and **Object-Oriented Programming**. Experienced in developing, debugging, and testing **client-side and server-side components**. Familiar with **Agile methodologies**, **defect resolution**, **root cause analysis (RCA)**, **automated testing**, and **performance optimization**. Passionate about building **reliable, scalable, and high-quality SaaS products**.

## TECHNICAL SKILLS

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**Programming Languages:** C++ (C++17), Java (Java 17), JavaScript, TypeScript, Python

**Software Engineering:** Object-Oriented Programming, Data Structures, Design Patterns, Debugging, Performance Optimization

**Systems & Architecture:** Client & Server-side Components, Event-driven Architecture (Basic), Distributed Systems Fundamentals

**Databases:** Relational Databases, SQL Queries, Basic Non-Relational Databases

**Development Practices:** Coding Standards, Unit Testing, Automated Testing, Defect Resolution, Root Cause Analysis (RCA)

**Tools & Platforms:** Git, GitHub, CI/CD Basics, Log Analysis, Agile Methodologies

**Cloud & SaaS:** SaaS Architecture Concepts, Public Cloud Basics (AWS, GCP, Azure)

## PROJECTS & ENGINEERING EXPERIENCE

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- **C++ Software Module Development**

*Client & Server-side Engineering*

- Developed and maintained scalable software modules using **C++17** and object-oriented design
- Investigated and resolved defects using debugging tools, logs, and stack traces
- Performed root cause analysis (RCA) and implemented well-tested fixes

- **Java-Based Data Processing System**

*Java 17, SQL*

- Implemented data processing and validation logic using **Java 17**
- Worked with relational databases and SQL queries to ensure data correctness
- Applied error handling and logging to improve system reliability

- **Bug Fixing & Defect Resolution**

*Debugging, Testing*

- Analyzed product logs, crash traces, and runtime errors
- Triaged and resolved well-defined work items with guidance
- Documented steps-to-reproduce, RCA findings, and fix explanations

- **Automation & Testing**

*Automated Testing*

- Created automated test cases to validate new features and bug fixes
- Reduced regression issues by validating fixes across test scenarios
- Ensured compliance with software engineering best practices

## INTERNSHIP EXPERIENCE

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- **Front-End Developer Intern**

*Cognifyz Technologies (Remote)*

Mar 2025 – May 2025

- Developed and maintained production-ready software components
- Debugged and fixed defects following structured troubleshooting practices
- Collaborated with cross-functional teams in an **Agile** development environment
- Provided regular status updates and documented work items

## EDUCATION

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- **Bachelor of Computer Application (BCA)**

*PSIT College of Higher Education, Kanpur*

2024 – 2027