

# SHIVAM VERMA

## Technical Analyst

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Mohali, Punjab, India

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

### •Bachelor of Technology in Computer Science Engineering

2019-23

Chandigarh University, Mohali

CGPA: 7.8

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, Python, SQL, Javascript

**Frontend Technologies:** HTML, CSS, Bootstrap, Tailwind CSS, React.js

**Backend Technologies:** Node.js, Express.js, Spring Boot, Django, Rest APIs

**Data Analysis & Visualization:** Power BI, Excel, Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow

**Cloud/Databases:** NoSQL (MongoDB), SQL (MySQL), Amazon AWS, Google Cloud Platform

**Tools & Version Control:** Git, MS Office, VS Code, IntelliJ

**Soft Skills:** Time Management, Bias for action, Teamwork and Collaboration, Problem-Solving

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

## EXPERIENCE

### •Technical Analyst

August 2024 - Present

Crown Aromatic Chemicals

Mohali, Punjab

- Assisted in developing custom software solutions using Java, improving analytical efficiency by 30% and optimizing operational workflows
- Designed and optimized SQL databases, reducing data retrieval time and enhancing process automation
- Conducted in-depth analysis of chemical process data using Jupyter, identifying trends that improved process efficiency by 25%
- Collaborated with cross-functional teams, leveraging databases to address technical challenges

### •Programmer Analyst Trainee

January 2024 - June 2024

Cognizant Technology Solutions India Pvt. Ltd.

Mohali - Remote

- Contributed to the enhancement of multiple software modules using Java and Python, improving user experience by 25%
- Optimized database management tasks by implementing efficient SQL queries, reducing data retrieval time by 40% and enhancing storage management
- Identified and resolved technical issues by analyzing code and implementing effective solutions

## PERSONAL PROJECTS

### •Healthcare Chatbot

AI-Powered Healthcare Chatbot for Smart Diagnosis

- Built an interactive healthcare chatbot using Dialogflow, Python (SVM & CNN), HTML, and CSS
- Integrated with Google Cloud Platform, ensuring 99.9% uptime and seamless real-time interactions
- Automated 70% of patient inquiries, enhancing efficiency and reducing manual workload in healthcare support

### •Image Steganography System

Secure Image Steganography System for Data Hiding

- Developed an image steganography system using Python, enabling 98% data embedding accuracy while preserving image quality
- Implemented Least Significant Bit (LSB) manipulation for highly secure data encryption
- Optimized the system to reduce processing time ensuring efficient encoding and decoding of hidden messages

### •Inventory Management System

Automated Inventory Management System for Efficient Stock Control

- Developed an end-to-end inventory management system using Java and MySQL, improving stock tracking efficiency by 60%
- Implemented automated order processing and real-time supply tracking, reducing manual workload
- Designed a category-based product organization system, enhancing retrieval speed and inventory accuracy by 40%