

# SHREYA BHUWANIA

☎ +91-9693285828

✉ [shreyabhuvania03@gmail.com](mailto:shreyabhuvania03@gmail.com)

🌐 [Linkedin](#)

🐙 [Github](#)

## EDUCATION

- **Vellore Institute of Technology** 2021 – 2025  
B.Tech - Computer Science and Engineering - **CGPA - 8.52**
- **SKP Vidhya Vihar, Bihar (CBSE) Class XII - 95.6%** Jun 2021
- **St. Joseph's School Bihar (ICSE) Class X - 94.4%** Aug 2019

## INTERNSHIP

### Parkar Digital

Jan 2025 – Present

*Quality Assurance Engineer Intern– Harvard Bioscience Ponemah Project (DSI)*

*Pune, India*

- Tested Ponemah, a highly calculative scientific desktop application used for acquiring and analyzing physiological data like blood pressure and heart rate, ensuring backend calculation accuracy and data integrity to support reliable research outcomes.
- Developed Python scripts to automate repetitive validation tasks, enhancing testing efficiency and reducing manual effort by 35% while performing extensive manual testing where minor defects could impact critical outputs.
- Collaborated with project managers, SMEs, and development teams to design effective test strategies, resolve defects efficiently, and maintain structured workflows using JIRA and Git in a fast-paced environment.

## PROJECTS

### Employee Management System | Java, JDBC, MySQL

Jan 2025

- Engineered a console-based employee management system that streamlined CRUD operations for employee data, resulting in a 20% reduction in record management time by enabling efficient data retrieval.
- Implemented integrated file reading and database querying functionalities to provide flexible data storage options, improving search efficiency for employee records.
- Architected a robust backend structure to overcome limitations of text-based systems enhancing usability.

### CPU Scheduler Simulator | OOPs, DSA, Java, Java Swing

Oct 2024

- Created an interactive CPU scheduler simulator with Java Swing GUI to visualize and compare FCFS, SJF, Priority Scheduling, and Round Robin algorithms, improving conceptual understanding by 40% among users.
- Enabled CRUD operations for process data management, streamlining workflows enhancing learning.
- Leveraged abstraction and encapsulation principles to build a flexible simulator that shielded users from underlying algorithm complexities, reducing learning curve difficulties for students.

### Banking System | Java, JDBC, MySQL

April 2024

- Crafted a banking system with CRUD functionalities for customer accounts, streamlining account creation, transactions, and balance inquiries, reducing errors by 50% through rigorous validation and secure logging.
- Orchestrated a modular Java backend architecture to enhance system reliability, auditability, and scalability, enabling maintainable and efficient banking operations for future enhancements.

## TECHNICAL SKILLS

**Languages:** JAVA, Python, C++, SQL

**Databases & Cloud:** MySQL, SSMS, AWS (EC2, S3)

**Frameworks/Libraries:** Java Swing, JDBC, HTML, CSS

**Developer Tools:** VS Code, Canva, Figma, Github, Eclipse, IntelliJ, Jira, Git

**Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms(DSA)

## CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Cloud Computing certification, NPTEL

## EXTRA CURRICULAR

- Received the GVDSP Scholar Award for four consecutive years (2021–2025) for consistent academic excellence.
- Solved 100+ algorithmic challenges on Leetcode and GeeksforGeeks, enhancing proficiency in data structures and algorithms by developing efficient solutions to complex problems.
- Led the Student Council to organize multiple school events, achieving a 50% increase in participation rates compared to the previous academic year.

## HOBBIES & LANGUAGES

- Hobbies: Coding, Cooking, Dancing, Music, Badminton, Occult Science
- Languages: English, Hindi, Sanskrit (exploring due to interest in vedic science)