# Abhay Maheshwari

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## Education

**Vellore Institute of Technology, Vellore**  **Sept 2022 - July 2026**
*B.Tech Computer Science and Engineering, CGPA: 8.81*

**Gyan Ganga International Academy, Bhopal**  **June 2021 - April 2022**
*CBSE - Class 12th: 88.2%*

**Billabong High International School, Bhopal**  **June 2019 - April 2020**
*ICSE - Class 10th: 92.8%*

## Technical Skills

**Programming Languages:** Java, Python, JavaScript, SQL, C++, SAP ABAP
**Machine Learning:** Model Fine-tuning, Ollama, Hugging Face, Data Analysis, RAG
**Web Development:** React, Three.js, Node.js, FastAPI, HTML, CSS, REST APIs
**Cloud  Tools:** AWS, Docker, Git, MySQL, MongoDB, Linux, Agile

## Professional Experience

**Protiviti India Member Firm** | *SAP ABAP Project Intern*  **May 2025 - June 2025**
− Architected more than 5 multi-table SAP reports using ABAP, integrating efficient data retrieval across 3+ business systems
− Engineered custom database tables, TMGs for 50,000+ records and executed data migration maintaining 99.9% data integrity
− Presented RICEFW framework implementation, best practices for data transport, receiving positive feedback on code quality

**iCave Enterprises** | *Technical Lead & CoFounder*  **Jan 2021 - Feb 2025**
− Directed technical strategy and infrastructure for cloud-based hosting, achieving 99.5% uptime and reducing costs by 35%
− Orchestrated 15+ concurrent client projects with 100% on-time delivery, achieving exceptional client satisfaction of 4.8/5 stars
− Spearheaded comprehensive manual QA processes, implementing rigorous plugin testing protocols and locating vulnerabilities

## Technical Projects

**Holdings Manager Tool** | *Python, Streamlit, Pandas, SQL*  **Live Demo | GitHub**
− Engineered fintech tool processing ₹10M+ assets, automating consolidation of 15+ accounts, reducing processing time by 87%
− Architected interactive dashboards serving 100+ users, eliminating 70% of reconciliation errors through automated validation
− Developed interactive data visualizations and user-centric reports with real-time error validation for audit compliant records

**Web Game Automation Framework** | *Python, Selenium, OOP*  **GitHub**
− Constructed an extensible automation framework tested across multiple web-based games, with consistent, error-free operation
− Refined DOM handling and wait strategies to improve runtime efficiency and reduce redundant browser interactions by 200%
− Implemented intelligent resource and timing strategies optimising automation stability, responsiveness and runtime performance

**Code-Enhanced AI Training Research** | *Ollama, Google Colab, Python, Hugging Face*  **GitHub**
− Conducted empirical research fine-tuning 3 Llama models on retail operations (sales analytics, inventory, customer insights)
− Demonstrated code-augmented training reduces hallucination rates by 40% compared to natural language-only datasets

**3D Interactive Portfolio** | *React Three.js, WebGL*  **Live Demo | GitHub**
− Built interactive 3D portfolio using React, Three.js, and GSAP with complex animation sequences and 3D modeling
− Implemented GSAP animations and interactive components animated counters, interactive glow cards with 99.9% uptime

## Relevant Coursework

- Data Structures and Algorithms
- Software Engineering
- Object Oriented Programming
- Database Management System
- Machine Learning
- Computer Networks
- Operating Systems
- IoT Programming
- Artificial Intelligence

## Positions of Responsibility

**IEEE Professional Communication Society, VIT Vellore** | *Chairperson*  **Apr 2024 - Apr 2025**
− Spearheaded 50-member team executing 25+ technical events, expert-led speaker sessions, workshops reaching 2,000+ students
− Managed ₹25,000+ budget, event planning, reporting, logistics and stakeholder communication and growing membership by 2x
− Mentored and trained 10+ junior team members in event management and public speaking, fostering professional development

## Certifications

Oracle Cloud Infrastructure 2025 Certified Foundations Associate
Oracle Data Platform 2025 Certified Foundations Associate
Oracle Fusion AI 2025 Certified Foundations Associate
NVIDIA DLI Certificate in Deep Learning