

Ishaan Verma

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ishaan-portfolio.vercel.app

Education

VIT Bhopal University

Bachelor of Science in Computer Science (CGPA: 7.81 / 10)

May 2026

Bhopal, Madhya Pradesh

Technical Skills

Languages: Java, C++, Python

Technologies: React.js, Flask, Flutter, Spring Boot, Express.js, TensorFlow, HTML, CSS, MySQL, Node.js, JavaScript.

Concepts: Operating Systems, Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Database Management Systems, API's, Product Development, Problem Solving.

Certifications: Cloud Computing – IIT Madras, Oracle OCI Generative AI, Oracle OCI DevOps Professional.

Experience

Arrise Solutions (India) Pvt. Ltd

Oct 2024 – Dec 2024

Full Stack Software Intern

Noida, Uttar Pradesh

- Developed key backend features using Spring Boot and built dynamic, responsive frontend with React to create a seamless user experience.
- Engineered and deployed an AI-powered chatbot by integrating the Gemini API, successfully automating user interactions.
- Designed and implemented a secure login module, incorporating OTP authentication and AI-driven validation for enhanced user security and a streamlined onboarding process.
- Actively contributed to a global team by performing quality assurance and collaborative testing for the Romania-based PWF360 project, ensuring high-quality software delivery and performance.

Projects

Empowerly – Employee Management System | React.js, Node.js, Express.js, MongoDB, JWT

- Developed a backend for a full-featured employee management platform, reducing manual HR tasks by 30%.
- Implemented JWT based authentication with role-based access control, lowering unauthorized access by 95%.
- Built HR modules including employee, attendance, leave, and payroll management, improving HR efficiency by 20%.
- Strengthened app security with input sanitization and validation, preventing NoSQL injection attacks.
- Integrated mood tracking and gamification features to enhance employee well-being and engagement.

ArriBot – AI Educational Assistant | Spring Boot, Gemini API, React.js, MongoDB

- Developed a full-stack AI assistant for students, increasing user engagement by 35% with chat and smart notes.
- Implemented secure authentication (JWT, OTP), reducing vulnerabilities by 90%.
- Integrated Gemini API for NLP, improving summarization speed by 40% and achieving 85% sentiment analysis accuracy.
- Added Google Calendar sync, AI-powered flashcards, and dynamic quiz generation with real-time scoring.

AI Dungeon Master – Procedural Storytelling Game | Node.js, React.js, Flask, Python, Gemini API

- Built an AI Dungeon Master leveraging Gemini API for dynamic storytelling, generating 100,000+ unique narrative outcomes.
- Optimized text generation and NLP pipelines, reducing narrative response time by 75%.
- Explored reinforcement learning for AI decision-making, boosting story satisfaction ratings by 30%.
- Designed and implemented a user-friendly UI/UX, integrating real-time chat functionality and interactive choice-based decision points to enhance player immersion.

Activities

Health Hackathon, Johns Hopkins University, USA

- Developed a web app for stress recovery and mental well-being during a Health Hackathon, focusing on emotional wellness.

Ramanujan Club – Annual Tech Fest 2025

- Won Gold Medal in an event organized by the Ramanujan Club during the Annual Tech Fest 2025.