

# AYUSH PANDEY



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LinkedIn



GitHub

## Education

VIT Bhopal University, Bhopal, MP

Expected May 2026

Bachelor of Technology (B.Tech) in Computer Science — GPA: 8.61/10.0

Senior Secondary (Class 12)

April 2022

Lucky Bal Niketan, Jodhpur — 80.00% / CGPA: 8.00

Secondary (Class 10)

April 2020

Lucky Bal Niketan, Jodhpur — 89.80% / CGPA: 8.98

## Technical Skills & Relevant Coursework

**Languages & Frameworks:** Python, Java, C++, C, JavaScript, TypeScript, Next.js, React, Angular, Java Spring Boot

**Databases & Tools:** PostgreSQL, MySQL, SQLite, MongoDB, VS Code, GitHub

**Cloud & Technologies:** Firebase, AWS, Google Cloud Platform (GCP)

**Coursework:** Data Structures, Algorithms, Database Management, AI, OOP, Systems Programming, Computer Architecture

## Projects

Multivendor Ecommerce Platform (GrocifyMart) | Next.js, PostgreSQL, Drizzle ORM, Zustand

Oct 2022 – Present

- Engineered a **scalable multivendor ecommerce system**, equipping **50+ users**, **5+ farmers**, and **admins** with dedicated dashboards for seamless product management and training blog distribution.
- Integrated **AI-powered chatbots**, including **RAG Bot** (for insights) and **Vercel AI SDK Bot** (for complaints), enriching user interaction. Designed **data visualizations** with **D3.js** and **React ApexCharts**. [\[Live Demo\]](#)
- Enhanced website efficiency by applying **lazy loading**, **image compression**, and **server-side rendering**, decreasing load time by **30%**.

ETCAM: Python-based Event Management Software | Python, Google API

Oct 2023

- Automated **certificate generation** and **QR-based ticket validation** for **150+ participants**, streamlining event workflows.
- Leveraged **Google API** for **automated email dispatch**, cutting manual communication efforts by **40%**.
- Constructed an interactive **admin dashboard** for event managers, enabling real-time participant tracking and instant certificate issuance. [\[GitHub\]](#)

Faculty Review Blog App | Angular, Spring Boot, PostgreSQL

Ongoing

- Building a **faculty review system** to enhance student engagement, projected to increase feedback submissions by **25%**.
- Implementing **role-based access control (RBAC)** and refining **PostgreSQL queries**, reducing data retrieval latency by **15%**. [\[GitHub\]](#)
- Introducing **advanced search and filtering options** to improve content accessibility and user navigation.

WebSocket Chat App | Java Spring Boot, WebSocket

Jul 2024

- Architected a **real-time chat platform** supporting **1,000+ concurrent users** with **WebSocket-driven instant messaging**.
- Designed **direct messaging** and **group chat** features using **Spring Boot WebSocket**, ensuring seamless, low-latency communication. [\[GitHub\]](#)

Portfolio Website | Next.js, React, Tailwind CSS, Vercel

Jan 2025

- Developed a high-performance **portfolio website** with **SEO-optimized architecture**, achieving a perfect **100/100 Lighthouse SEO score**.
- Engineered **dynamic routing**, **SEO-enhanced metadata**, and **image optimization**, ensuring swift page loads and enhanced accessibility. [\[Live Demo\]](#)

## Certifications

Google IT Support Professional Certificate

Coursera

- Operating Systems and You: Becoming a Power User

Cloud Computing (NPTEL)

- Successfully completed Cloud Computing course by NPTEL, securing Silver certification with a 75% score.

## Profiles / Achievements

### Coding Profiles

[Portfolio](#) | [Leetcode \(250+ Solved\)](#) | [GeeksForGeeks \(150+ Solved\)](#) | [CodeStudio](#) | [Codeforces \(Specialist\)](#)

- Problem-Solving Skills:** Solved **350+ DSA problems** across Leetcode, Codeforces, and GeeksforGeeks, improving algorithmic thinking and time complexity optimization.
- Hackathon Achievement:** Qualified for **Round 2 of the Asyncs Reimagine Hackathon**, ranking in the **top 13%** (100/750 teams). [\[Link\]](#)
- Omdena AI Collaboration:** Contributed to the **BRTS Chatbot** for Bhopal Route Transit System can assist **5,000+ daily commuters**. [\[Link\]](#)

## Leadership / Extracurricular

Linpack (MATLAB & LaTeX) Club

Nov 2023 – Present

President

VIT Bhopal University

- Led a team of **30+ members** to conduct **3+ large-scale workshops** with **150+ participants**.
- Organized hands-on sessions on **MATLAB automation**, **scientific computing**, and **LaTeX** for research paper formatting.

### Chess

Ongoing

Online Player

Chess.com (ches\_Ayush\_003)

- Maintains a rating of **700+ in Rapid** and **600+ in Blitz** on Chess.com.