

# Abhinav Tiwari

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## EDUCATION

- Vellore Institute of Technology, Bhopal** Bhopal, India  
*Bachelor of Technology - Computer Science and Engineering — CGPA: 8.72* August 2021 - May 2025
- B.S.P SSS-X, Bhilai** Bhilai, India  
*HSSCE (Class XII) — Aggregate: 85.6%* April 2020 - May 2021
- B.S.P SSS-X, Bhilai** Bhilai, India  
*AISSE (Class X) — Aggregate: 83.0%* April 2018 - May 2019

## SKILLS SUMMARY

- Languages:** C++, Python, JavaScript
- Databases:** PostgreSQL, OracleDb, SQLite, MongoDB
- Frameworks:** NodeJS, ReactJS, Django, Flutter
- Tools:** Kubernetes, Docker, GIT, Github, Postman
- Platforms:** AWS, Heroku

## EXPERIENCE

- Bhilai Steel Plant - C&IT Dept.** Onsite  
*Project Trainee (Internship)* November 2023 - January 2024
  - Engineered Rail Mill App:** Developed a rail mill application in two months using Flutter, JSP, and Oracle, automating manual data entry and eliminating errors caused by copy and direction, resulting in a significant reduction of ITM errors.
  - Optimized Bloom Tracking:** Empowered users for efficient bloom tracking, resulting in a projected 20% increase in operational efficiency and a 15% improvement in data accuracy.
  - Transformed Rail Mill Operations:** Led the rail mill's transformation, enhancing productivity and enabling systematic data analysis for informed decisions and faster response times.

## PROJECTS

- YuvaAnubhav-Built to help the elderly with daily tasks and modern tech.** Github  
*(Flutter, NodeJS, ExpressJS, RESTapi, EJS, MongoDB, AWS, Firebase)* January 2024 - May 2024
  - Mobile Application:** Managed a team of 5 members and developed a multiscreen application using Flutter and Firebase, integrated with a MongoDB database.
  - Web Application:** Designed and deployed a web application using Node.js, EJS, and Tailwind CSS on AWS.
  - Chatbot:** Integrated a personalized chatbot using Google's Gemini API to assist the elderly
- Multiplayer Session-Based Game Hosting on AWS** Github  
*(AWS GameLift, Cognito, API Gateway, Lambda, DynamoDB)* August 2024 - September 2024
  - Scalable Game Hosting:** Developed a multiplayer session-based game platform using AWS GameLift, managing and supporting 10,000+ users with Cognito authentication and API Gateway.
  - Efficient Serverless Backend:** Built a serverless architecture with AWS Lambda, processing game logic in under 200ms, and DynamoDB for managing player data and matchmaking, along with real-time notifications via SNS and monitoring through CloudWatch.

## CERTIFICATIONS

- AWS - Certified Solutions Architect- Associate:** (February, 2024 - February, 2027)
- AWS - Certified Cloud Practitioner:** (February, 2024 - February, 2027)
- NPTTEL - Introduction to IOT:** scored 94% (Elite + Gold) Top 2% from 32882 candidates (April, 2024 - Present)

## ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- Prime Minister's Trophy: Merit-cum-Means Scholar:** A 4-year engineering scholarship awarded for academic excellence.
- Walmart Sparkplug 2024 Finalist:** Cleared multiple coding rounds in a prestigious competition focusing on Data Structures and Algorithms.
- 300 Days of Coding:** Completed 300 Days of Coding Challenge on LeetCode, solving a daily DSA problem and sharing solutions on GitHub repository.
- GSSoC Campus Ambassador:** Acted as the liaison between GSSoC and my university, engaging and encouraging students to participate in open-source development.

## ADDITIONAL INFORMATION

- Literary aficionado**  
*Enjoys reading across genres, particularly self-help books and novels by Khaled Hosseini.*
- Sports Achievements**  
*Participated in and triumphed at the State-level Basketball Championship, securing first place.*

## LINKS

[Leetcode](#)||[GFG](#)||[Codechef](#)||[Github](#)||[Linkedin](#)||[Portfolio](#)