

Om Deepak Patil

Phone: +91 9359254596 | Email:ompatilll.001@gmail.com | [LinkedIn](#) | [Leetcode](#)

Skills

- **Languages:** C++, Python, Java, JavaScript, HTML, CSS
- **Frameworks & Libraries:** React, Node.js, Express.js, TensorFlow, Pandas
- **Databases:** MongoDB, PostgreSQL, SQL
- **Tools & Platforms:** Git, Excel, Postman, VS Code, Smart Bridge, AWS Basics

Education

VIT Bhopal University (Expected May 2026)
BTech Major in Computer Science and Engineering

Bhopal, Madhya Pradesh
Cumulative GPA: 8.12/10

Late Dr. A.G. Thakare College (Jul 2022)
12th Standard- CBSE (Central Board of Secondary Education.)

Percentage: 79%

Woodridge High School (Jul 2020)
10th Standard- CBSE (Central Board of Secondary Education.)

Percentage: 90.6%

Projects

Hospital Management System (Oct 2023 - Dec 2023)

- Designed a role-based, secure hospital portal for managing patients, appointments, and billing.
- Automated data entry processes, increasing admin efficiency by **40%**.
- Integrated machine learning algorithms to analyse **1M+ data points**, enabling predictive patient management.
- Built with **React, JavaScript, HTML, CSS** and deployed using modular architecture principles.

AGRO-AID (July 2024-Sep 2024)

- Developed machine learning models (95%+ accuracy) for crop yield prediction and early disease detection.
- Real-time tracking of soil moisture, temperature, and pH resulting in 15% better irrigation efficiency using sensor networks with data refresh rates of 10s-30s.
- Technologies Used are HTML, CSS, React, JavaScript.
- Engineered weather forecasting functionality with 80%+ precision, enabling smart irrigation and fertilization schedules.
- Data-driven recommendations reduce water and fertilizer usage by 30%, enhancing resource efficiency.
- Enable precision farming and reduces agricultural losses by 20-40%, ensuring higher productivity.

Achievement

- Solved More than 100 question on Leetcode
- Successfully completed #DrGVishwanathanChallenge of 100daysofcoding Challenge.
- 3-star rating at code chef

Notable Certifications

- **Cloud Computing:** Earned certification from IIT Kharagpur. Basics of AWS, EC2, and cloud architecture [🔗](#).
- **Marketing Analytics:** Earned certification from IIT Kharagpur. Data-driven decision-making [🔗](#).
- **DSA in C++ by Coding Ninja:** Certified in C++ programming and D.S.A(Excellence Certificate, above 90%). [🔗](#)
- **SmartBridge Full Stack [MERN]:** Successfully completed the course with a project experience. Built and deployed a complete MERN stack project [🔗](#).
- **Bits and Bytes of computer networking By Coursera:** Completed with a score of 98%. [🔗](#).