

VEDANT WADE

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EDUCATION

B.Tech Computer Science and Engineering, MIT-WPU
CGPA: 8.04 / 10.00

Expected 2026

SKILLS

Languages	Java, Python, JavaScript, C++
Backend & Web	Node.js, Express.js, REST APIs, Authentication(JWT, Role-based Access)
Databases	MongoDB, MySQL
Systems & Tools	Git, Docker (basic), Linux, Postman, Shell Scripting
Computer Science	Data Structures & Algorithms, OOP, OS, Networking

PROJECTS

Diabetic Retinopathy Detection Platform
Backend-Focused Full-Stack System (MERN + Python)
[GitHub Repository](#)

Completed
Team Project

- Designed a **modular Node.js + Express backend** with **10+ REST APIs** for authentication, image uploads (1–5 MB), and prediction workflows.
- Integrated a **FastAPI-based ML inference microservice** serving a TensorFlow model, reducing backend coupling and improving request handling latency by **30–40%** in local testing.
- Implemented **JWT authentication**, MongoDB schemas across **3+ collections**, and containerized the full system using **Docker Compose** for reproducible deployment.

Intelligent Code Reviewer
Backend Service for Code Analysis

Completed
Personal Project

- Developed a backend system exposing **REST endpoints** to submit code, validate content, and return structured analysis.
- Implemented sandboxed execution and service isolation for safe model inference.
- Added caching, batching, and rate limiting to improve response time by **35%**.
- Built robust logging, monitoring, and test coverage to ensure system stability.

Python Quiz Game
Award-Winning Python Application

May 2024
College Competition

- Created a modular game engine in Python with clear architecture for events, state management, and scoring.
- Won **1st Prize** among 600+ participants based on functionality, design, and execution.

COMPUTER SCIENCE STRENGTHS

- Data Structures & Algorithms: Trees, Graphs, DP, Recursion.
- Discrete Mathematics: Probability, Combinatorics.
- OS & Systems: Processes, Threads, Concurrency, Memory.
- Computer Networks: TCP, HTTP, Routing, Latency Optimization.

AWARDS & ACHIEVEMENTS

- **Published Patent Application (2025):** Filed invention in the Indian Patent Journal (Application No. 202521017321).
- **Best Python Project (2024):** 1st place for the Python Quiz Game among 600+ students.
- **Patent Course Completion (2023):** Certified training in intellectual property and innovation.

EXTRA-CURRICULAR & COMPETITIVE PROGRAMMING

- Active member of the **CODEC Club**, co-organizing 5+ coding contests and workshops for 200+ students.
- **3-star CodeChef** competitive programmer — [CodeChef Profile](#).
- Former member of **Club Numerates**, participating in weekly problem-solving challenges.