Amol Tripathi

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EDUCATION

Qualification	Score/CGPA	Year	Institution
B.Tech Computer Science & Engineering	**8.34/10.0**	2022–2026	VIT Bhopal University, MP

ACADEMIC PROJECTS

FoodieBot   FastAPI, MySQL, Dialogflow, HTML, CSS, JavaScript   *Apr 2025 – Jun 2025*

- Built an AI-powered food ordering chatbot integrated into a restaurant website, handling 200+ test orders with under 2s response latency.
- Engineered a FastAPI backend to process Dialogflow intents, automate order tracking, and reduce manual order handling effort by 60%.
- Designed a normalized MySQL schema with stored procedures for price calculation and order tracking, ensuring 100% consistency in order data.
- Deployed chatbot on the website, enabling 24/7 automated order management and improving customer interaction efficiency.

Resume Builder   React, Node.js, MongoDB, HTML, CSS, JavaScript   *Apr 2025 – Jun 2025*

- Developed an interactive resume creation platform that guided 100+ users through a step-by-step process, reducing resume preparation time by 50%.
- Implemented dynamic resume template generation, enabling users to instantly create professional and customizable resumes in multiple formats (PDF/Word).
- Designed a responsive and intuitive UI, improving user engagement and increasing successful resume exports by 40%.

Student Information System   C++, OOP, File Handling   *May 2023 – Jun 2023*

- Built a console-based student management system supporting registration, authentication, and academic record management for 50+ test users.
- Applied Object-Oriented Programming (OOP) principles to design modular, reusable classes, improving code maintainability by 40%.
- Implemented file handling for persistent storage of student records, ensuring secure access and role-based authentication for administrators vs. students.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Top 5 finalist out of 150+ teams in a college-level hackathon, solving real-world issues in 24 hours.
- Oracle Certified AI Foundations Associate - Recognized for expertise in AI foundations
- Solved 300+ DSA problems (LeetCode, GFG,)

POSITIONS OF RESPONSIBILITY

- **Project Team Lead:** Garbage Detection Model – Led a team to develop a YOLO-based computer vision model for roadside garbage detection, improving waste classification accuracy and enabling automated monitoring.
- **Core Committee Member:** In college fests, managed logistics for 1000+ attendees

TECHNICAL SKILLS

Languages:	C++, Python	**Frontend:**	React.js, Next.js, TailwindCSS
Backend:	Node.js, Express, REST APIs	**Databases:**	MySQL, MongoDB, Redis
Cloud/DevOps:	AWS (EC2, S3, RDS), Docker	**Tools:**	Git, DialogFlow

OTHER INFORMATION

- **Languages:** Hindi (Native), English (Fluent)
- **Interests:** System Design, Competitive Programming, Financial Markets, Innovation