

VARNIKUMAR PATEL

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science (AIML)

CGPA : 7.89 / 10

September 2023 – Ongoing

Bhopal, Madhya Pradesh

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Operating System
- Database Management
- Web Development
- Computer Architecture

Experience

CodeWay

January 2024 – February 2024

Python Programming Intern([Github](#))

Remote

- Completed a one-month internship at Codeway, delivering 3 Python programming tasks that optimized process efficiency by 20%.
- Designed a Python automation script, reducing manual workload by 30% and improving task accuracy by 95%.
- Developed over 500 lines of Python code to streamline data processing in automation scripts, contributing directly to a workload reduction that saved approximately 15 hours per week for the team's manual operations.

Projects

Real-Time Text Translator Chrome Extension ([Github](#))

February 2025

- Developed a Chrome extension enabling real-time translation of selected text across six languages, enhancing accessibility for global users.
- Integrated advanced translation APIs to provide instant, accurate results, reducing language barriers while browsing the web.
- Engineered an optimized and lightweight architecture using JavaScript, HTML, and CSS, ensuring seamless performance with minimal system load.

PlacementPrep ([Live here](#))

January 2025 – February 2025

- Designed a Placement Preparation Platform with 50+ coding challenges and 200+ study materials, helping students prepare 2x faster.
- Built a scalable web platform leveraging React.js, Node.js, Express.js, Tailwind CSS, and MongoDB Atlas to deliver a highly scalable user interface that accommodates over 1,000 concurrent users seamlessly.
- Designed an interactive dashboard with 10+ resume templates and 100+ curated interview questions, improving job preparation efficiency.
- Integrated top coding challenges and structured resources to help students prepare efficiently for placements.

Imagify ([Github](#))

December 2024 – January 2025

- Implemented an AI-powered text-to-image generator, processing 100+ images per second with 95% accuracy.
- Built the platform using React.js, Node.js, Express.js, Tailwind CSS, and MongoDB Atlas for a smooth and responsive experience.
- Integrated Clidrop API, generating 1,000+ high-quality images with an 80% improvement in rendering speed.

Technical Skills

Languages: Python, Java, C++, JavaScript, TypeScript, SQL, HTML, CSS

Developer Tools: Git, GitHub, VS Code, Postman, Firebase, Docker, CI/CD

Technologies/Frameworks: React.js, Next.js, Node.js, Express.js, EJS.js, Tailwind CSS, Bootstrap, MongoDB, Redux, GraphQL, REST APIs

Extra curricular

- **Finalist in Smart India Hackathon (SIH) 2024** – Developed an innovative solution, competing among India's top teams.
- **Ranked in the Top 50 of Vulture Hackathon among 1,000+ participants.**
- **Completed Hacktoberfest 2024** – Contributed to open-source projects, making meaningful GitHub contributions.
- Led a team of 10+ members in the Gujarati Club, organizing 2+ cultural events and driving a 50% increase in participation.
- Assisted in TCS campus recruitment drive as a placement cell member, coordinating interviews for 300+ students and ensuring smooth execution.