

Vatsal Unadkat

Phone : +91 9726581591 | Email: vatsalunadkat07@gmail.com | [LinkedIn](#) | [GitHub](#) | Residence: Rajkot, Gujarat, India

Education

VIT Bhopal University

BTech in Computer Science and Engineering (CGPA: 8.4)

Bhopal, Madhya Pradesh

2022- 2026

Projects

Automated Lead Generation – n8n ([GitHub](#))

Feb 2024 – May 2024

- Automated lead generation pipeline using n8n that sources 200+ industry-specific prospects daily from Apollo.io via Apify, implementing filters for company size (1-10 employees), job titles, and keywords while achieving 88% email validity through automated deduplication and validation.
- Engineered AI-powered cold email personalization with OpenAI (GPT-4 mini) that dynamically generates context-aware icebreakers based on company keywords and industry data, increasing email relevance by 40% while maintaining consistent sales messaging across 177+ B2B prospects.
- Designed compliance-focused outreach system with scheduled triggers limiting email volume to 50-100/day per mailbox, integrated with Google Sheets for centralized data management, reducing manual outreach effort by 75% while maintaining 99% deliverability rates.

AI Ad Creator – n8n ([GitHub](#))

May 2025 – June 2025

- Designed and implemented a no-code AI automation workflow using n8n that reduced ad production costs by 99% (from \$100+ to \$0.40 per video) by integrating Telegram, GPT-4o, and Google VEO3 APIs, enabling 90%+ profit margins for creative services
- Developed an AI agent system with human-in-the-loop approval that analyzes product images, generates creative ad prompts, and produces professional video content, cutting production time from hours to minutes while maintaining quality standards
- Architected a scalable content creation pipeline that processes user-submitted product photos through multiple AI models to deliver customized marketing videos, resulting in a 10x efficiency gain for creative agency operations

Experience

Tark Technologies | Software Development Intern ([Certificate](#))

Oct 2024 - Dec 2024

- Developed an **AWS Billing Engine** in C++, leveraging AWS resource, usage, and pricing APIs to generate detailed monthly itemized bills for clients across multiple global regions, processing over **750 usage hours** and ensuring accuracy in **cloud cost tracking**.
- Designed and implemented a **Train Ticket Reservation System** in C++, utilizing object-oriented programming principles to handle **seat allocation**, ticket booking, **waitlist management**, and real-time availability updates, **improving system efficiency by 20%**.
- Applied advanced C++ programming techniques to design robust and **scalable software solutions**, contributing to system architecture and implementation for **enterprise-grade applications**, delivering two projects within a **three-month timeline**.

Technical Skills

- **Languages:** C++, Python, SQL(MySQL), JavaScript, HTML/CSS(Tailwind).
- **Technologies:** React, Node.js, Vite, TypeScript, Express.js, MongoDB, Mongoose.
- **Developer Tools:** Git, GitHub, VS Code, Visual Studio, PyCharm, n8n.
- **Profiles:** [LeetCode](#), [Code360](#), [GitHub](#).

Achievements | Certifications

- Secured a [3rd position](#) in the “Mission Impossible – Code protocol” Hackathon Conducted by the AI club of VIT Bhopal, [Contributed](#) in the Girl Script Summer of code 2024(GSSoc'24).
- **Event management lead** of the Open-Source Club and **core team member** of the Ramanujan math's Club at VIT Bhopal University.
- Participated in the Flipkart Grid Hackathon 6.0, Adobe Hackathon, Walmart Sparkathon, and HackOn with Amazon.
- **Certifications:** AWS Academy | [Cloud Architecting](#), AWS Academy | [Cloud Foundations](#), Ethnus | [Mern full-stack](#)