

# Vatsal Margi

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## Technical Skills

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**Languages:** C++, JavaScript, TypeScript, C#.

**CS Fundamentals:** Data Structure and Algorithms, Database Management Systems, OOPS, Computer Networks, Operating System.

**Web Development:** React, NextJS, MongoDB, Express, NodeJS, SQL, mongoose.

**Others:** Git, Gitlab, Github, Jira.

## Education

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**Sardar Vallabhbhai National Institute of Technology, Surat (NIT Surat)**

*Dec 2021 – May 2025*

*Bachelor of Technology - Electronics and Communication*

## Experience and Freelancing

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**Software Development Intern**

*Vadodara, Gujarat*

*Odysseus Solutions*

*Jan 2025 – Jul 2025*

- Contributed to the development and maintenance of scalable web applications using **Angular**, **jQuery**, **ASP.NET**, and **SQL**, enhancing key product modules.
- Collaborated with **cross-functional teams** including QA, product, and senior developers to ensure timely delivery of high-quality features.
- Participated in **bug fixing**, **UI/UX enhancements**, and performance optimization, improving system stability and user experience.
- Played a key role in launching a **major product feature**, resulting in improved functionality and increased user engagement.

**Free Lancing**

[website link](#) 

*Fusion Planner*

- Built Fusion Planners, a full-stack event management platform using the MERN stack (MongoDB, Express, React, Node.js).
- Enables users to explore services, browse event galleries, and make seamless event bookings through a modern UI.
- Integrated a custom Admin Dashboard to manage all dynamic content.

## Projects

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**Peek'n'Speak**

[github.com/VatsalMargi/peeknspeak](https://github.com/VatsalMargi/peeknspeak) 

- Anonymous Messaging** with OpenAI Assist: Send anonymous messages and get suggestions powered by **OpenAI**.
- Secure OTP Signup & Message Toggle**: Secure account creation via 6-digit OTP with toggle to receive anonymous messages.
- Shadcn & Tailwind CSS Frontend**: Built with a modern front-end library, **Shadcn** with around 15 components and utility-first styling (**Tailwind CSS**) for a sleek and responsive user experience.
- Zod Validation & MongoDB Database**: Ensures data integrity with **Zod** (5 Schemas) validation and leverages **MongoDB** for storing application data.

**Helper.ai**

[github.com/VatsalMargi/cloudinary\\_ai](https://github.com/VatsalMargi/cloudinary_ai) 

- SaaS Platform with Next.js**: Developed a SaaS application using Next.js, **Neon DB**, and **Prisma** for robust database management, with **Clerk** for secure authentication.
- Video Upload & Compression**: Enabled users to **upload** videos, view them, and **download** compressed versions (50 to 80 percent) for efficient storage and sharing.
- Image Upload & AI Enhancement**: Integrated **Cloudinary AI** to allow users to **upload** images, automatically add or remove details, and adjust them to fit desired social media aspect ratios.

## Achievements and POR

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- Top 20 on gfg** : Under 20 institute rank on geeksforgeeks.
- Solved 750+ DSA Problems** : On various platforms including Leetcode, geeksforgeeks, Codechef.
- Badges on leetcode** : Earned 200-days and 100-days badges, awarded to top 4.2% of LeetCodeers.
- Head, RAAG(SVNIT)** : Led the official music club of SVNIT.