

# Vatsal Agarwal

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in vatsal09

🐙 Github

</> Leetcode

📁 Portfolio

## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

GPA 8.71

May 2024

## EXPERIENCE

### Software Engineer Intern

Jan 2024 – Jul 2024

Anheuser Busch InBev

Bengaluru

- Resolved over **20+** critical issues and change requests across **7 products**, enhancing functionality and user experience significantly.
- Took **ownership** and spearheaded critical changes in two key products, driving approximately **25% cost savings** in one, **optimizing resource allocation** and enhancing project efficiency.
- Engineered a **reusable** file upload **microservice** with integrated virus scanning and **Azure Blob Storage management**, enhancing security and **reducing potential threats by 35%**, while ensuring seamless integration and scalability across multiple applications.
- Built and maintained projects using diverse technologies, including **C# .NET**, Flask, and Node.js, showcasing versatility in software development across projects **impacting over 9000 users**.

### Web Development Intern

Oct 2022 – Dec 2022

Energy Efficiency Services Limited

Remote, New Delhi

- Developed a robust PMS module using **React.js**, and **Node.js** for the internal E-begin platform, benefiting **530+ employees across 18+ departments** by optimizing task management.
- Integrated **REST APIs** into the UI, enhancing the platform's responsiveness and streamlining data flow.
- Streamlined communication and task management processes, resulting in a more cohesive and efficient operational environment, **decreasing email traffic by 20%**.
- [https://github.com/vatsal-agarwal-20/eesl\\_project](https://github.com/vatsal-agarwal-20/eesl_project)

## PROJECTS

### MyKicks | HTML, TailwindCSS, JavaScript, Vite+React.js, React Redux, Stripe API, Node.js, Express

- Engineered MyKicks, an **E-Commerce web application** using **React.js** and **Node.js**, integrating Stripe API for **secure transactions**, which supported payments from over 8 card brands.
- Enhanced the platform's performance and scalability through **optimized state management** and effective **REST API** integration.
- <https://mykicks.vercel.app>

### PitchPassta | MERN Stack

- Developed PitchPassta, a community-driven football forum, utilizing the **MERN stack** to enable real-time updates and user engagement features.
- Launched a comprehensive news section with **real-time updates**, establishing PitchPassta as the 1-stop destination for football enthusiasts.
- <https://github.com/vatsal-agarwal-20/PitchPassta>

## TECHNICAL SKILLS

**Languages:** C++, HTML, CSS, JavaScript, Python, MySQL, C# .NET.

**Tools and Skills:** React.js, Node.js, Express.js, Bootstrap, Vite, Redux, Typescript, TailwindCSS, Git, Microsoft Azure, Azure DevOps, SQL Server Management Studio, MongoDB, Postman, Visual Studio.

**Core Competencies:** Data Structures and Algorithms, Database Management System, Object Oriented Programming, Full Stack Development, REST API Integration, Software Engineering, Software Development Life Cycle.

## ACHIEVEMENTS

- Secured a global rank of **1269** out of 19k+ participants in Leetcode Biweekly Contest 117.
- Solved **600+** problems on **LeetCode** and ranked in the **top 14.15%** of users globally.
- Secured 2nd Place in Geek Week Local among **650+ students**.

## ADDITIONAL

**Certifications:** MERN Full Stack Developer, Meta Front-End Developer Specialization.

**Position of Responsibilities:** Event Manager and Social Media Coordinator at Bit-by-Bit Club, successfully organized and managed over 10 events, enhancing engagement and visibility.