

# Aditya Bhattacharya

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## EDUCATION

### Vishwakarma Institute of Technology, Pune

Bachelor of Technology in Information Technology

Cumulative GPA: 9.48

Pune, Maharashtra

Expected May 2027

Student Intern at VIERP, college's own educational platform - led a team in developing a costless AI video summariser.

## ADDITIONAL INFORMATION

**Technical Skills:** React, Next.js, MongoDB, Python, Express, SQL, HTML, CSS, JavaScript, TypeScript, Java, Node.js, Docker, Git, GraphQL, Tailwind CSS, React Native Django, GitHub, Langchain, GenAI

**Certifications & Training:** J. P. Morgan - Software Engineering Job Simulation, Foundations of Cybersecurity, NPTEL

24CS18: Compiler Design (Elite, Top 5% scorer), Google Cyber Security Career Professional Certificate

**Awards:** 2nd Position at Code Ctrl. at Delhi Public School Nerul, 3rd Position at Brew the Code at Delhi Public School Greater Faridabad

## WORK EXPERIENCE

### InterviewMate | Next.js, Firebase, Google Cloud Platform, Langchain

Remote, USA

Web Developer Entrepreneur

Jun 2024 – Present

- Single-handedly developed a comprehensive interview platform using cutting edge Generative AI tools and technologies.
- Implemented advanced audio streaming for seamless Text-to-Speech and Speech-to-Text experience with minimal overhead via serverless technologies (10% CPU usage at all times).
- Pioneered the design and implementation of an extensive system design accounting for edge cases and reducing load times by 35% cumulatively for all services.

### Herbs Magic (<https://theherbsmagic.com/>) | Next.js, Express, MongoDB, NodeJS

Remote, Pune

Full Stack Web Developer Intern

Jun 2024 – Oct 2024

- Enhanced website functionality and user experience by optimizing UI flow, and integrating features like mailing lists and Google Analytics; thus resulting in increased user engagement and product reach.
- Improved SEO performance through Open Graph updates, detailed report analysis, and website content restructuring, thus boosting organic traffic by 73%.
- Implemented user authentication flow updates, code optimization, and performance improvements, reducing loading times and leading to a sharp increase in user conversion rates by about 83%.

### Classify (<https://classify.org.uk/>) | Gatsby, React, WordPress, Tailwind CSS

Remote, UK

Web Developer

Mar 2023 – Sep 2023

- Entrusted with the comprehensive redesign and development of the company's website, given updated design.
- Delivered a comprehensive redesign of the website, ensuring pixel-perfect alignment with design specifications; reduced bounce rates by 25% resulting in enhanced user retention.
- Optimized website accessibility and SEO, leading to a 60% increase in organic traffic and an enhanced user experience.

### Taamra Engineering Consultants (<https://taamra.com/>) | Next.js, Styled Components

Navi Mumbai, MH

Web Development Intern

May 2021 – May 2023

- Single-handedly designed, developed, and launched the company's website, demonstrating proficiency in web development technologies and ensuring optimal uptime and reliable user access.
- Implemented strategic SEO practices and site optimizations, leading to a remarkable 83% increase in website visits and over 200 additional pageviews daily.

## PROJECTS

### Chester - A Programming Language | TypeScript

Feb 2024

- Created an interpreted programming language using TypeScript and designed an appropriate grammar schema for it.
- Consists of complex logic including hoisting, functions, garbage collection, variables, and running custom program files.

### Medico - A Digital Appointment Booking App | React Native, Strapi CMS, MySQL, Embedded C

Oct 2023

- Developed and designed a full-stack mobile application using React Native, Strapi CMS, and MySQL.
- Patent published and research paper published in ICSCSA-2024; lauded for intuitive UI and contact-less system.

## EXTRACURRICULAR ACTIVITIES

### Google Developer Student Clubs (GDSC) | Web Domain Co-Head

Oct 2023 – Present

- Only second year student in recent history of VIT Pune GDSC to be chosen as a co-head for the domain.
- Trained 100+ participants in advanced React and Web Development topics at the GDSC WebBlitz event.
- Spearheaded the creation of a community platform for doubt solving and unified resource sharing for 4500+ students across campuses via collaboration among multiple GDSC domains.