

Full-stack software developer with 3 years of professional experience in building scalable and user-centric web applications. Currently, enhancing an ed-tech CMS platform built using Angular, .NET and AWS, with a focus on performance, security and maintainability. Experienced in designing and deploying end-to-end systems using Next.js, NestJS, MongoDB and Cloudflare. Also exploring Go (Golang) and Fiber framework based on the same.

## WORK EXPERIENCE

### Zeus Learning

Mumbai, India (Hybrid)

Senior Software Engineer

Jul. 2025 — Present

- Resolved security vulnerabilities aligned with **OWASP** standards, improving application's security posture.
- Addressed and resolved accessibility issues across the codebase to align with **WCAG 2.2 AA criterion**.
- Developed a data-driven feature that enables teachers and students to visualize class-wide and individual performance through intuitive graphical insights, enhancing understanding of academic progress and outcomes.
- Developing **rule-based adaptive assessment** which will help teachers to identify students' learning gaps while dynamically tailoring question difficulty to students' pacing.

Software Engineer

Jul. 2023 — Jun. 2025

- Enhanced an ed-tech CMS web application by delivering new features and improving existing functionalities in line with evolving business requirements.
- Developed an SDK to handle QTI (Question and Test Interoperability) export, and integrated it with external LMS platform to enable seamless content delivery.
- Explored performance optimizations through **POC using Rust and .NET gRPC**, Rust was 65% faster.
- Updated CKEditor twice to latest v4.x.x LTS versions across the codebase to avoid security issues present in previous versions.
- Given a **KT** to the team regarding good code practices in C#, such as how to avoid warnings related to rules [CA1031](#), [CA1506](#), [CA2011](#), etc.
- Tech-stack includes Angular, ASP.NET Core, C#, AWS, DocumentDB, MariaDB, etc.

## PROJECTS

### Interio Work [\(Live\)](#)

Dec. 2025 — Mar. 2026

Next.js, Tailwind CSS, NestJS, MongoDB, Cloudflare R2

- Developed and deployed a full-stack platform for showcasing interior design work with enquiry functionality.
- Built REST APIs and backend services using NestJS with structured DTO validation and modular architecture.
- Implemented image storage and delivery using Cloudflare R2 for optimized performance and scalability.
- Deployed frontend on Vercel and backend on Railway with CI/CD integration via GitHub.
- Ensured code quality using SonarQube and implemented production grade linting and validation.

### Saathi - An AI Companion [\(Live\)](#)

Sept. 2022 — May 2023

MERN, Python, ML, NLP, NLU, CNN, LSTM, RASA, TensorFlow

Bachelor of Engineering's Thesis Project

- Saathi is a **generative chat-bot** developed to support individuals with psychiatric disorders through gentle and empathetic conversations; it has achieved **4th place** at **IIT Bombay Research Conclave (ResCon)**, a national-level competition.
- Scraped, cleaned and preprocessed over **100,000+ Reddit posts** from mental health forums focused on depression, anxiety and bipolar disorder to develop robust classification models.
- The chat-bot has language generation and understanding capabilities through the implementation of the **RASA framework**.
- It can detect emotions of anger, disgust, fear, joy, neutral, sadness, shame and surprise using a Machine Learning pipeline built using **CountVectorizer** and **Logistic Regression** and signs of depression, anxiety and bipolar disorder using Convolutional Neural Network (CNN).
- Published the paper [Saathi: An AI Companion](#) at INSCIRD 2023**, organized by the IEEE Students' Branch, Shri Sant Gajanan Maharaj College of Engineering, Shegaon (June 2023).

MERN, MUI

- Built a full-stack discussion platform with authentication, like/dislike and comment functionalities.
- Implemented question lifecycle management including marking answers as helpful or resolved.
- Independently designed and developed both frontend and backend.

## SKILLS

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|-----------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Languages &amp; Frameworks</b> | Angular, Next.js, React, C#, Python, NestJS, Express.js, TypeScript, JavaScript, C, C++, Go, Node.js |
| <b>Backend &amp; Databases</b>    | MySQL, MongoDB, MariaDB, DocumentDB, REST APIs, JWT Authentication                                   |
| <b>Cloud &amp; Tools</b>          | AWS (EC2 and S3), Cloudflare R2, Vercel, Railway, Netlify, Heroku, GitHub CI/CD                      |
| <b>Other</b>                      | Tailwind CSS, Material UI, SonarQube, ESLint, Prettier, System Design Basics                         |
| <b>Communication</b>              | English (speaking, reading and writing), Hindi (native), Marathi (reading and writing)               |

## EDUCATION

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|------------------------------------------------------------------------------|-----------|-------------|
| <b>Bachelor of Engineering in Computer Engineering, University of Mumbai</b> | 8.91 CGPA | 2019 — 2023 |
| <b>Higher Secondary Certificate Examination, Maharashtra State Board</b>     | 71.54%    | 2019        |
| <b>Secondary School Certificate Examination, Maharashtra State Board</b>     | 83.40%    | 2017        |

## ACTIVITIES

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| • 4 <sup>th</sup> place at <a href="#">IIT Bombay Research Conclave (ResCon)</a> at national level                                                          | Feb. 2023 |
| • Competitions: 1 <sup>st</sup> in <a href="#">Excelsior</a> and Switch Code, 2 <sup>nd</sup> in Web Designing, 3 <sup>rd</sup> in Code Debugging at SLRTCE | 2022      |
| • Participated in a hackathon named LOC 5.0 organised by Dwarkadas J. Sanghvi College of Engineering                                                        | Mar. 2023 |
| • Participated in Hacktoberfest 2021                                                                                                                        | Oct. 2021 |