

Prathik Shetty

Full-Stack Developer (React | NestJS | TypeScript)

Full-stack developer with hands-on experience building responsive, high-performance web applications using JavaScript, React.js, TypeScript and NestJS. Proven ability to translate UI/UX designs into seamless user experiences while optimising performance and scalability. Fast learner with international work exposure and eager to contribute to diverse tech roles.



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EDUCATION

Bachelor of Engineering in Information Science

Sahyadri College of Engineering and Management

08/2019 - 07/2023

CGPA : 7.45

Pre-University College

BGS Composite PU College

04/2017 - 04/2019

Percentage : 75

WORK EXPERIENCE

Career Break

Independent

09/2024 - Present

Achievements/Tasks

- Continued upskilling in React/NestJS, TypeScript, SQL and worked on personal projects while exploring advanced education and full-time opportunities.

Web Engineer

Notespace

12/2023 - 09/2024

Tokyo, Japan

Achievements/Tasks

- Sole developer responsible for the full-stack development of a cafe website, implementing both frontend and backend, while collaborating with designers and the client.
- Developed and maintained responsive landing pages using HTML, CSS, Typescript, and React.
- Optimised React/TypeScript frontend with Chakra UI, improving Lighthouse performance from **65** to **92** and contributing to 15% higher user retention.
- Built NestJS REST APIs with role-based auth and validation, integrating MySQL (TypeORM) and caching to reduce P95 query latency by ~30%.

Web Developer Intern

Kakunje Software Private Limited

02/2023 - 04/2023

Mangalore, India

Achievements/Tasks

- Developed a full-stack web application (Fashion Academy) integrating front-end and back-end technologies.
- Built responsive web pages using HTML, CSS, JavaScript, and Bootstrap for an optimised user experience.
- Implemented dynamic functionalities using PHP and MySQL for database management and CRUD operations.
- Utilised AJAX and jQuery for seamless server communication, improving website interactivity.

TECHNICAL SKILLS

React

JavaScript

TypeScript

ChakraUI

NestJS

MySQL

MongoDB

Git/GitHub

Postman

VSCode

PROJECTS

Traffic Sign Recognition using Image Processing and Text-to-Speech

- Led a team of 4 to design and implement a deep learning model (YOLOv5, CNN) in Python & OpenCV for real-time traffic sign detection.
- Trained on 1,216 annotated images, achieving 97.9% validation accuracy across diverse environments.
- Integrated Text-to-Speech (Google TTS) for real-time audio alerts, enhancing driver accessibility and published results in IEEE Xplore.
- Tech stack: Python, TensorFlow, PyTorch, OpenCV, Roboflow.

Blog Website

- Designed and implemented scalable backend APIs using Node.js and Express.js.
- Developed a full-stack blog platform enabling content sharing, engagement, and community building.
- Integrated secure authentication with JWT and responsive UI with Material-UI.
- Tech stack: React.js, Material-UI, Node.js, Express.js, MongoDB, JWT.

Clinic Database Management System

- Created a web app for online doctor appointments, prescription tracking, and medication scheduling.
- Designed dual interfaces for patients and administrators to streamline clinic operations.
- Managed data persistence and transactions using PHP backend and MariaDB database.
- Tech stack: HTML, CSS, JavaScript, PHP, MariaDB.

CERTIFICATIONS

Complete Javascript Course by Udemy

Certified for 300 hours of Japanese Language Learning from Zenken Institute

Introduction to IT & Cybersecurity

Programming for Everybody (Getting Started with Python)

INTERESTS

Football

Travel

Music

Literature