

# PRATYUSH GOUTAM

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## Professional Summary

Full-stack and mobile developer building scalable applications with modern frameworks and technologies.  
Passionate about performance optimization, clean architecture, and seamless user experience design.

## Education

### SRM Institute of Science and Technology

June 2022 – May 2026

Bachelor of Technology in Computer Science with Business Systems

Chennai, India

- CGPA: 8.43/10

## Experience

### Quamin Tech Solutions LLP

Oct 2024 – Nov 2024

Backend Development Intern

Remote

- Developed and maintained MongoDB databases with optimized schemas and indexing strategies, improving query performance by 40%
- Built scalable Node.js REST APIs using Mongoose ODM for seamless frontend-backend integration across multiple client applications
- Implemented complex aggregation pipelines for data analytics and automated database maintenance tasks, reducing manual intervention by 60%

## Projects

### Shizuka - Sustainable E-commerce Platform [GitHub](#) | [Live](#)

2025

- Developed full-stack e-commerce platform using MERN stack with Firebase authentication, shopping cart, wishlist, and secure checkout functionality
- Implemented responsive mobile-first UI design with TailwindCSS and efficient state management using React Context API
- Deployed application on Vercel (frontend) and Render (backend) with MongoDB Atlas for database hosting

### EcoVision - AI-Powered Waste Classification System [GitHub](#) | [Live](#)

2024

- Built React-based web application with real-time waste classification using DeepSeek R1 API for image recognition and environmental impact analysis
- Integrated PostgreSQL database with user authentication system and AI chatbot for eco-friendly disposal recommendations
- Achieved 75% accuracy in waste categorization (recyclable/compostable/hazardous) through optimized image processing algorithms

### Xylo - Cross-Platform Movie Streaming App [GitHub](#)

2025

- Developed React Native mobile application with Expo featuring movie browsing, detailed views, user interactions, and offline download capabilities using TMDB API for real-time movie data
- Implemented modern UI components with Gluestack UI framework and Firebase backend for user authentication, data synchronization, and cloud storage integration

## Technical Skills

**Programming Languages:** Python, C, C++, Java, JavaScript, TypeScript, SQL

**Frontend Technologies:** React, Vite, Next.js, React Native, TailwindCSS, Shadcn/UI, Gluestack

**Backend & Database:** Node.js, Express.js, MongoDB, PostgreSQL, Firebase, REST APIs

**Developer Tools:** Git, GitHub, Vercel, Render, Expo, Mongoose, VS Code, Google Colab

**Certifications:** Full Stack Web Development Bootcamp ([Udemy](#)), Big Data Computing ([NPTEL](#)), AWS Machine Learning Foundations ([Credly](#))