

PREM THAKKAR

Software Engineer | Full Stack Developer

Email: prem.thakkar@rutgers.edu | Phone: +1 (732) 580-9010

GitHub: github.com/premthakkar | LinkedIn: linkedin.com/in/prem-thakkar

SUMMARY

Passionate software engineer with expertise in full-stack development, AI/ML integration, and building scalable solutions. Experienced in React, TypeScript, Python, and cloud technologies. Strong problem-solver with a track record of delivering impactful projects.

EDUCATION

Rutgers University

2021 - 2025

Bachelor of Science in Computer Science | GPA: 3.8/4.0

EXPERIENCE

Software Engineering Intern - Tech Innovations Inc.

Jun 2024 - Aug 2024

- â€¢ Developed RESTful APIs using Node.js and Express, serving 10K+ daily requests
- â€¢ Implemented Redis caching layer, reducing database query time by 40%
- â€¢ Collaborated with cross-functional teams using Agile methodologies
- â€¢ Wrote comprehensive unit tests achieving 85% code coverage

Full Stack Developer - Campus Solutions Lab

Jan 2023 - May 2024

- â€¢ Built responsive web applications using React, TypeScript, and TailwindCSS
- â€¢ Designed and maintained PostgreSQL databases with optimized query performance
- â€¢ Integrated third-party APIs including Stripe, SendGrid, and AWS S3
- â€¢ Mentored 3 junior developers in modern web development best practices

PROJECTS

AI Music Generator

| React, Python, MusicGen, Whisper API, AWS

- â€¢ Built web app generating custom music tracks from text prompts using AI
- â€¢ Deployed on AWS with scalable serverless architecture

Smart Campus Navigator

| React Native, Firebase, Google Maps API, TypeScript

- â€¢ React Native app with real-time indoor navigation using Bluetooth beacons
- â€¢ Used by 2000+ students for campus wayfinding

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML/CSS

Frameworks: React, Node.js, Django, Express, Next.js, TailwindCSS

Tools: Git, AWS, Docker, Firebase, MongoDB, PostgreSQL

Other: REST APIs, Agile/Scrum, CI/CD, Unit Testing, System Design

CERTIFICATIONS & HONORS

â€¢ AWS Certified Solutions Architect - Associate

â€¢ Dean's List - Fall 2022, Spring 2023, Fall 2023

â€¢ President - Computer Science Club