

# Gokul Nishandh S T

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## EDUCATION

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### - BTech Artificial Intelligence and Data Science:

*Shiv Nadar University Chennai*

09/2023 - 08/2027

CGPA: 9.116 (4 semesters)

Member of Isai - The Music Club

Member of SNUC Coding Club

## PROJECTS

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### - VectraPDF – Document Intelligence Engine:

*React (Vite), Node.js, Express, PostgreSQL (Neon), Redis, Kafka, Tailwind CSS, Render, Vercel*      07/2025 – Present

- Architected full-stack platform with microservices for persona-driven PDF intelligence, search, history, and insights
- Implemented REST APIs and secure auth with Node.js
- Leveraged Redis for caching and job queues, cutting repeated query latency
- Integrated Apache Kafka for event-driven pipelines, enabling scalable and fault-tolerant PDF processing
- Deployed distributed services across Vercel (frontend) and Render (backend)

### - StudIQ – AI-Powered LMS:

*React, Tailwind, Node.js, PostgreSQL, FastAPI, LangChain, Groq*

06/2025 - 07/2025

- Architected scalable role-based LMS users with secure JWT and Google OAuth authentication
- Engineered microservice architecture with FastAPI and Express.js, taking ownership of distributed system design
- Integrated AI-powered query system using LangChain + FAISS + Groq Llama3 with bias for action approach

### - Imagify – Text to Image SaaS App:

*Vite-React, Node.js, MongoDB, Razorpay, ClipDrop API*

05/2025 - 06/2025

- Architected scalable SaaS platform processing 500+ AI images
- Engineered secure JWT auth and Razorpay integration, taking ownership of end-to-end user experience
- Designed real-time dashboards with bias for action, improving customer satisfaction

### - SpendTrack – Group Expense Management App:

*React, FastAPI, MySQL*

03/2025 - 04/2025

- Delivered full-stack expense tracker for 20+ users with customer obsession mindset
- Innovated dynamic splitting algorithms with real-time validation, demonstrating bias for action
- Architected RESTful APIs with MySQL optimization, reducing query response time by 60%

## TECHNICAL STACK

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- **Programming:** Python, JavaScript, C, C++, Java, TypeScript

- **Framework/Libraries:** ReactJS, NextJS, Vite, Node.js, Express.js, Redis, Kafka, MongoDB, PostgreSQL, Selenium, Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, NumPy, OpenCV

- **Cloud & DevOps:** Basic AWS, Docker, Basic DevOps, Version Control (Git/GitHub)

- **Skills:** Full Stack Development, RESTful APIs, JWT, OAuth, Responsive UI (TailwindCSS, HTML5, CSS3), Agile Methodologies, Database Design, Data Analysis, Machine Learning, Competitive Programming, System Design

- **Certification and Courses:** Introduction to LLM, Responsive Web Design - freeCodeCamp, Data Science and Machine Learning

## ACHIEVEMENTS AND HONORS

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- **Competitive Programming:** Solved 350+ DSA problems across LeetCode and Codeforces; consistently practiced algorithms and problem solving. [LeetCode Profile]
- **1st Rank - Shiv Nadar University, Chennai:** Secured 1st position in Semester 1 among Computer Science students.
- **Finalist - SNU Hacks:** Selected as a finalist in SNU Hacks, a university-level hackathon with participation from over 500 students.