

# SHREYAS NEERUBHAVI

Software Engineering Student · Gen AI Backend & Full-Stack Developer

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## SKILLS

### LANGUAGES

Python    Java    JavaScript

TypeScript

### WEB & BACKEND

Next.js    React    Node.js    Supabase

REST APIs    Edge Functions    SQL

### AI / MACHINE LEARNING

LLMs & RAG    TensorFlow    PyTorch

Core ML    Vertex AI    Seaborn

### DESKTOP & HARDWARE

WASAPI    CustomTkinter    PyInstaller

Raspberry Pi    Arduino

### DESIGN & MOTION

Figma    Photoshop    Three.js

Framer Motion    Video Editing

## EDUCATION

### B.Tech, Computer Science & Engineering

Alliance University, Bengaluru · Activities:  
Coding, Video Editing, Graphic Design

SEP 2025 – SEP 2029

### Intermediate Education (CBSE)

Sri Chaitanya College of Education · Grade: A+  
2023 – 2025

## CERTIFICATIONS

### MACHINE LEARNING · CORIZO

Machine Learning Training — Core ML,  
PyTorch, TensorFlow, Vertex AI · Apr 2026

### CLOUD · GOOGLE

Basics of Google Cloud Compute — Skill  
Badge · Oct 2025

### PYTHON & JAVA · CODIO

Programming in Python: A Hands-on  
Introduction (Specialization) · 2026 — with  
Python Basics, Data Structures & Java Basic  
Structures

### HARDWARE & IOT

Raspberry Pi & Python, Interfacing with the  
Arduino — UC Irvine · Semiconductor  
Characterization — Arizona State · 2025

## PROFILE

Software engineering student with a strong foundation in **backend development, utility-tool creation, and machine learning**. I architect and ship practical applications — from multi-modal transit aggregators to native, hardware-interfacing desktop tools. Driven by complex system architecture, secure backend services, and AI-guided workflows that accelerate learning and produce optimized solutions.

## EXPERIENCE

- **Gen AI Backend Developer · Tata Steel** JUN – JUL 2026  
Internship · On-site · Jamshedpur, India
  - Built RAG (retrieval-augmented generation) pipelines for internal Gen AI / LLM services.
  - Developed the **chatbot backend** — the services and APIs powering conversational features.
- **Graphic Designer · Bombay Chinese** MAY 2025  
Freelance · Remote · Umbargaon, Gujarat
  - Rebuilt the restaurant's menu end to end with a modern colour scheme.
  - Added a **QR-code flow** that opens an easy-to-navigate web menu on any phone.

## PROJECTS

- **Namma Route · Multi-Modal Transit Aggregator** MAR – APR 2026
  - A Bengaluru transit app that puts your wallet first — compares **Namma Metro, BMTC, and auto/cab** fares in real time to find the cheapest multi-modal route from any A to any B.
  - Python + Supabase backend for fast route calculations; a Next.js + Framer Motion glassmorphism UI.

Next.js    Framer Motion    Python    Supabase
- **Audio Mirror · Desktop Audio Utility** PYTHON · WASAPI
  - Standalone desktop app that bypasses native Windows limits to mirror audio to **multiple Bluetooth devices** at low latency — raw WASAPI streams relayed in bite-sized chunks.
  - Dark-mode CustomTkinter GUI packaged to **.exe** (PyInstaller); secure serverless backend with Cloudflare Turnstile and a full **PayPal** subscription checkout.

Python    WASAPI    CustomTkinter    Edge Functions    PayPal

### HealthVault

#### AI · HEALTH

AI health assistant that demystifies medical jargon, audits hospital bills, and secures a family health dashboard. *Next.js · Supabase · Gemini*

### Pixel-Ops

#### COMPUTER VISION

UAV photogrammetry pipeline turning aerial imagery into depth maps, point clouds, and 3D meshes. *Python · COLMAP · CUDA*

### TrustShield

#### AI · SECURITY

Continuous identity validation from behavioral biometrics — typing, swipe, device angle — to catch hijacked sessions. *AI · Anomaly detection*

### Forex Trade Advisor

#### BOT · FINANCE

Telegram bot suggesting forex trades from socio-economic signals, world events, and commodity moves. *Python · Telegram API*