

SHRUTIKA GHULE

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Education

Vishwakarma Institute of Information Technology

Artificial Intelligence and Data Science—CGPI-8.13

2021 – 2025

Pune, Maharashtra

Br, Ambedkar College

Higher Secondary Certificate—Examination Score - 93.67%

2020 – 2021

Nagpur, Maharashtra

Experience

Creator Research pvt ltd

May 2022 - August 2022

Frontend Developer Intern

- Developed a user-friendly educational portal designed to connect teachers and students in an organized digital space .
- Integrated forms and user input validation for efficient user communication.
- Collaborated on improving UI/UX design to boost user engagement and retention
- Technologies: HTML, CSS, JavaScript, Bootstrap

Research

Atlas Copco Group | Detection of Trademark Infringement

July 2024 - December 2024

- Developed a model for accurate logo extraction from product images and integrated a system for detecting counterfeit logos.
- Evaluated and compared pre-trained CNN architectures, including ResNet50, SNN, VGG16 and EfficientNet, to enhance model performance and accuracy.
- Deployed the machine learning model within a Streamlit application enabling users to choose a preferred model and view results determining whether the logo is fake or genuine.

Projects

Mobile App Generator | Nextjs, Bun, Redis, Docker, Postgres

- Developed a platform that generates mobile applications from user prompts
- Built a worker-based HTTP server to process inputs, interact with LLMs, and manage AI-generated code.
- Integrated Clerk for user authentication, ensuring secure project management and session handling.

Payment Gateway System | Nextjs, React, PostgreSQL,docker, typescript, Tailwind

- Developed a high-performance Payment Gateway System using a TurboRepo monorepo architecture. The system handles real-time financial transactions between users and banks, ensuring secure, scalable, and efficient fund management.
- Designed and implemented a Bank Webhook Handler to process real-time transaction status updates from banks.
- Integrated NextAuth for secure and flexible user authentication across the platform.
- Utilized Prisma ORM with a Dockerized PostgreSQL database to ensure reliable and scalable data management.

Spotify-clone | Next.js, Supabase, PostgreSQL, Typescript, Tailwind

- Developed a fully responsive Spotify-like web application that enables users to both upload and stream music.
- Integrated comprehensive backend solutions with Supabase and PostgreSQL to ensure secure user authentication, reliable song storage, and efficient data management processes.
- User-friendly interface for browsing, uploading, and streaming songs.

Technical Skills

Languages: C/C++, SQL (Postgres, Prisma), JavaScript, Typescript, Python

Developer Tools: Git, Docker, Cloudflare-workers, Google Cloud Platform, VS Code, PyCharm

Technologies/Frameworks: React, Node.js, Next js, Material-UI, Solana,

Specialization

CS50's Understanding Technology (By EDX and Harward)

IBM Full Stack developer (By Coursera IBM)

Algorithms Part I & II (By Princeton University)