NISHANT

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Professional Summary

Software Engineer & Computer Science Student specialising in Web3 ,full-stack development and Native App development. Proven ability to deliver high-impact features that drive revenue growth and user acquisition. With practical experience in building robust, scalable services using Swift

Experience

Software Engineer (Remote) MakeMyMotor |
Sep 2024 – Present

Professional Experience: Mobile Application Developer

Developed and maintained high-quality iOS and Android applications throughout the full lifecycle, collaborating with design, product, and backend teams. Delivered robust, user-friendly, and secure solutions. Ensured seamless integration with PHP-based RESTful APIs and databases. Implemented secure third-party payment gateways (Stripe, PayPal, Razorpay). Collaborated with UI/UX designers for pixel-perfect interfaces and conducted thorough QA. Optimized performance, provided ongoing maintenance, and troubleshooting based on user feedback.**Core Competencies & Technical Skills**

- **Platforms & Frameworks**: Native (Swift, Kotlin/Java), Cross-platform (React Native, Flutter).
- **Backend Integration**: RESTful APIs (PHP/MySQL).
- **Payment Systems**: Major payment gateway integrations.
- **Tools**: Git.

Project Work

Collaborative Canvas Github
A collaborative sketching tool with infinite canvas and real-time drawing.

Beatflow – AI-Powered Music Generation Platform Github
An end-to-end, multi-service application that generates full music tracks, lyrics, and cover art from user prompts, utilizing a decoupled Next.js/Node.js/Python architecture.

MyProposal.live: AI-Powered Multi-Channel Proposal Generator Github
A comprehensive Next.js application leveraging dual AI integration (OpenAI & Gemini) and multi-channel delivery (Email & WhatsApp) to generate and share personalized romantic proposals.

VectorDB Github
A high-performance, Rust-based vector database with a decoupled Python embedding service.

Full-Stack URL Shortener with Real-Time Analytics Github
A high-performance, full-stack URL shortener application featuring a Python/FastAPI backend with Redis caching and a modern Next.js 15 frontend with a real-time analytics dashboard.

GoSearch – Lightweight URL Shortcut Extension Github
A lightweight Chrome extension that allows users to create custom shortcuts for websites, enabling instant redirection directly from the browser's address bar (Omnibox).

Git Auto Commit-Rust GitHub link
git-acm (git auto-commit-message) is a Rust-based CLI tool that generates instant meaningful commit messages using AI models. It integrates with multiple AI providers (Gemini, OpenAI, Anthropic, DeepSeek, and local Llama via Ollama) to automatically analyze git changes and create contextually appropriate commit messages, eliminating the need to manually write commit messages.

HCI interaction Recorder-Rust *Github link*
•HCI Interaction Recorder A simple, cross-platform desktop application written in Rust for capturing user interactions (mouse movements, clicks, and keyboard input). It's designed to help researchers and developers easily create datasets for training Human-Computer Interaction (HCI) models. The application provides a

minimal, always-on-top GUI to start and stop recordings, which are then saved in a clean, easy-to-parse JSON format.

Probo-Platform (Next.js + Rust)   *Github link*
• Architecture: A full-stack prediction market/trading platform built with a Rust backend featuring real-time WebSocket connections, Redis-based message queuing, and concurrent processing architecture with separate engines for order matching, database operations, and API/WebSocket servers.

Technologies:
• Backend: Rust with Actix-Web framework, Redis for caching/queuing, async processing with Tokio
• Frontend: Next.js 15 with TypeScript, Tailwind CSS, Radix UI components, and Axios for API communication
• Infrastructure: WebSocket support for real-time updates, CORS-enabled REST APIs, and modular engine design for scalable trading operations

The platform is a sophisticated trading/prediction market system with real-time order matching, balance management, and a modern React-based frontend for user interaction.

BetterUpTime (Rust + React) *Github link*
• Built a robust, multi-channel delivery pipeline using AWS SES for email and Twilio for WhatsApp, achieving a >98% delivery success rate.

More Projects -> My Website

Technical Skills

• *Languages*: **Rust , JavaScript/TypeScript , Solidity , C/C++ , Python,Swift**
• Technologies: REST API, GraphQL, WebSockets, **Docker**, CI/CD**, Google Cloud** (GCP), AWS
• *Machine Learning*: LangChain, Hugging Face, Vector DB
• *Front-end* - Next.js, Redux, **React**, Partial Prerendering, Turbopack, Edge Runtime..
• *Backend* - **Nest.js,** Node.j**s, FastAPI**, Spring Boot, Celery
• *Databases* - PostgreSQL, MongoDB, MySQL, **Redis**
• *Blockchain* - Solana , Ethereum

Education

1. Vellore Institute of technology,Ap

   2022 – June 2026

   Computer Science and business systems (B.Tech)

2. Nanyang Technological University , Singapore

   June 2025

   Advance Robotics + Ai (Summer program)