

VINAYAK GUPTA

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SUMMARY

Full-Stack Developer with 2.5+ years of experience building Web and Mobile Applications. Skilled in **Flutter, Node.js, TypeScript**, and **AWS**. Proven ability to develop scalable solutions and solve complex technical challenges. Dedicated to leveraging my strong foundation in computer science fundamentals to create innovative and user-friendly products.

EXPERIENCE

Medoc Health IT (Remote) | Feb 2023 - Present

Tech Lead

- Led product management for a healthcare application aimed build with **Flutter-Node.TS** to improve access to healthcare services for Indian citizens. Successfully integrated with government healthcare initiatives, contributing to the Digital India Movement.
- Managed a cross-functional team of 15-20 developers, ensuring timely product delivery and maintaining high quality standards.
- Supported the technical integration for the onboarding of 3 multi-specialty hospitals in the first month, helping manage 40,000 patients, with numbers still growing.

Appable Technologies (Remote) | Jul 2023 - Jun 2024

Freelance Developer

- Built a comprehensive social sports platform, enabling users to connect, organize matches, and compete in tournaments. Contributed to fostering a vibrant community of sports enthusiasts.
- Designed and implemented an HRMS application, streamlining HR processes for a firm with 2000-3000 employees. Key features included employee management, time tracking, payroll processing, and performance reviews.
- Exceeded expectations by taking ownership of server-side programming, ensuring a robust and secure platform for both the social sports platform and HRMS application.

SKILLS

Mobile App Development (Aug '22): Flutter

Server-Side Programming (Jun '23): Node.js, TypeScript

Database Management (Jun '23): PostgreSQL, MongoDB

Project Management Tools (Jan' 23): Jira, Confluence, GitHub

Version Control (Aug '22): Git, GitHub

Technical Problem-Solving: Applied mathematical and logical reasoning to solve complex technical challenges.

Cloud Computing (Jun '23): AWS, Plesk Obsidian, Azure

Operating Systems (Jul '24): Daily driver of Arch Linux; experience with system configuration, package management (pacman, AUR), shell scripting

PROJECTS

Personal Bahi Khata | *Flutter, Encryption* :

[GitHub](#) [PlayStore](#)

A user-centered mobile application for personal expense tracking, featuring a secure interface, customizable tagging, and robust data encryption. Successfully launched on the Google Play Store with positive user feedback.

Directory of Integer Sequences | *Python, Mathematics, GitHub*:

[GitHub](#)

A Python-based interactive tool that explores the world of integer sequences. It provides a comprehensive directory of sequences with analysis tools for discovery and investigation.

- Curated collection of integer sequences with detailed explanations.
- Tools for data manipulation and visualization using Python.
- Explores real-world applications of integer sequences in computational science.

Target Audience : Students, researchers, and anyone interested in integer sequences.

Complete Accounting & Inventory System in Node.js | *Node.js, Flutter, GitHub*:

[GitHub](#)

A comprehensive accounting and inventory management system conceived for businesses. This web application (built with Node.js) offers a scalable backend architecture and empowers users with real-time data access.

Key Features :

- Scalable backend architecture with Node.js for smooth performance.
- Real-time data access for informed decision-making.

- Insightful reports generated to analyze financial trends and inventory levels.
- Advanced features beyond basic accounting, including purchase order management and stock control.

EDUCATION

LNCT University, Bhopal M.P.
Nov 2021 - May 2025

BTech CSE
GPA : 7.74/10