Jainil Desai

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SUMMARY:

Systems-focused developer with strong foundation in low-level programming and Linux systems. Experienced with multiple Linux distributions and motivated to develop kernel-level expertise. Proficient in C, data structures, and system programming with hands-on full-stack development experience.

TECHNICAL SKILLS:

- **Programming Languages** - C, JavaScript, Python, Java
- **Linux & Systems -** Linux kernel basics, system calls, process management, memory management, multithreading
- **Linux Distributions** - Arch Linux, Ubuntu, Debian (advanced user knowledge)
- **Backend** - Node.js, Express.js, Python, System-level debugging
- **Version Control & Tools** - Git, Docker
- **Database** - MySQL, MongoDB, PostgreSQL

EXPERIENCE:

Frontend Developer Intern - Digital Dose | Dec 2024 - Mar 2025

- Engineered a robust API in Express and Node.js, enabling seamless data retrieval from a MySQL database, leading to a 25% reduction in frontend loading time and improved user experience.
- Integrated Razorpay API for secure and efficient payment processing while contributing to backend development and deployment for a full-stack experience.
- End to end automation process for a client, significantly reducing wait times from 2 minutes to under 30 seconds.

PROJECTS:

[Link] Stocksage: AI-Powered Investment Assistant

Tech Stack: Python, React.js, Node.js, Express.js, MongoDB, Yahoo Finance API, Firebase/MongoDB

- AI-driven portfolio analysis fetches real-time stock data, assesses risk, and provides insights.
- Sentiment analysis processes financial news and social media to detect market trends
- Full-stack implementation with React.js (UI) and Node.js backend handling APIs and data processing.

[Link] LeetCode → GitHub → Notion Automation

Tech Stack: JavaScript (Chrome Extension), Python, GitHub Actions, Notion API

- Built a Chrome extension wrapper automating LeetCode problem syncs to GitHub with structured commits and Notion database updates via GitHub Actions.
- Designed zero-manual-intervention workflow where users solve problems and the system automatically handles commits, database updates, and progress tracking.
- Demonstrated DevOps expertise through CI/CD automation, API integration, and cross-platform data synchronization.

Hackathons:

Ingenious AI Hackathon – Top 5 (Mar 2025)

- **Tech Stack**: React.js, Node.js, Python, Gemini API, Yahoo Finance API.
- Developed an **AI-powered investment assistant** for retail investors.
- Integrated **sentiment analysis** on financial news and social media to detect market trends**.**

EDUCATION:

NLJIET | GTU | Bachelor's degree in CSE with AIML (2022–present)