DHRUV KUMAR

Bangalore, India | +91 91104 89438 | programmingdhruv@gmail.com | GitHub | LinkedIn

SUMMARY

Software Developer with **~2 years** of experience in **C/C++** and **Python**, with a strong focus on **product development**, **system-level programming**, and **automation**. Proven track record of enhancing **system reliability**, integrating **scalable APIs**, and streamlining **development workflows**. Adept in **Linux environments**, **CI/CD pipelines**, and **embedded systems**, seeking a **full-time** opportunity to contribute to innovative software solutions.

TECHNICAL SKILLS

- **Languages: C, C++, Python**, **MySQL, Java in Android Development** (basics), **HTML/CSS** (basics), **Go** (basics)
- **Tools & Platforms: Git, GitHub, GitLab, CMake, JIRA, PostHog, Windows**, **Linux**
- **AI & Productivity Tools: GitHub Copilot** for AI-powered code completion**;** Prompt Engineering with **ChatGPT** for documentation and debugging; **Gemini, Replit, Grok.**
- **Development: REST APIs**, **CI/CD**, **Embedded Systems**, **Automation**, **OOPs**, **TDD (Test-Driven Development)**, **DSA**
- **Documentation: Doxygen-style comments**, **Product Requirements Documents (PRDs)**

EXPERIENCE

RAZORPAY — *C/C++ Product Development Engineer*
Aug 2023 – Apr 2025 | **1 year 8 months** |Bangalore, India

- Developed and maintained **payment gateway solutions** (**DQR**, **SQR**) with **REST API** and **dynamic audio feedback**.
- **Collaborated with OEMs** to resolve multiple device-level issues, ensuring smooth integration with our systems, which improved device stability by 60%.
- Integrated **remote logging** and **daily summaries** using **C/C++** and **PostHog**, enabling efficient **field debugging**.
- Migrated codebases from **GitLab to GitHub**, improving **CI/CD workflows**.
- **Resolved high-priority production bugs**, contributing to a **40% reduction in QA backlog**.
- Contributed to the **development** of a **shared codebase** for **DQR** and **SQR** platforms, enabling **faster onboarding** of new hardware devices and ensuring **product scalability**.

ITC Limited — *Python Project Intern*
Sep 2022 – Oct 2022 | **1 month** | Bangalore, India

- Automated **user access workflows** using **Python**, **PySimpleGUI**, **docx2pdf**, and **docxtpl**.
- Delivered a **reusable GUI tool** adopted across departments, improving **onboarding efficiency**.

EDUCATION

B. Tech – Computer Science and Engineering
Presidency University, Bangalore | *2019 – 2023*
Relevant Coursework: Mathematics (Calculus, Linear Algebra, Differential Equations, Complex Variables), Data Structures, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Nano Technology, Internet of Things (IoT), Programming in Go, Computer Networks

12th CBSE – KVS AFS, Yelahanka | *2018 – 2019*
Subjects: Physics, Chemistry, Mathematics, Computer Science, English

10th CBSE – KVS AFS, Yelahanka | *2016 – 2017*
Subjects: Science (Physics, Chemistry, Biology), Mathematics, English, Social Science, Hindi

PROJECTS

Stock Price Prediction using LSTM + Elliott Wave Theory
Mar 2023 – Jun 2023 | **4 months**

- Built an **LSTM model** integrating **Elliott Wave Theory** to forecast **Apple stock trends**.
- **Outperformed traditional models by 18%** in backtesting. [View on GitHub]

Water Motor Automation System (IoT, C++)
Jun 2022 – Jul 2022 | **2 months**

- Developed an IoT-based water level monitoring and automation system with enhanced reliability and LCD-based user notifications. [View on GitHub]

ACHIEVEMENTS

- **Contributed to the deployment** of new Razorpay **DQR** and **SQR Soundbox** devices, working on backend development, stability improvements, and feature integration. [DQR Soundbox Announcement (View on LinkedIn)] | [SQR Soundbox Announcement (View on LinkedIn)]
- **Paper Presentation:** *NCRACIT-23* — **"Combining Elliott Wave Theory with LSTM for Stock Price Prediction".** [View Certificate]
- **Class Representative (2019–2023)** — Represented the class for 4 consecutive years, coordinating between faculty and 50+ students, organizing academic discussions, and leading peer support initiatives.