

RAHUL DHIMAN

+14085120219 | rahul-dhiman@outlook.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Motivated master's student in Computer Science and Engineering with 3+ years of industry expertise in innovative app development. Proficient in coding, debugging, and applying advanced techniques for intelligent applications across diverse platforms and domains.

EDUCATION

M.S, Computer Science and Engineering

April 2023 – March 2025

Santa Clara University (3.68/4)

- **Related course work:** Design and Analysis: Algorithms, Machine Learning, Artificial Intelligence, Pattern Recognition and Data Mining, Distributed Systems, Database Systems, Computer Networks, Computer Architecture

B.E, Computer Science and Engineering

August 2015 – July 2019

Chitkara University (3.66/4)

- **Related course work:** Operating System, Object Oriented Programming, Client-Side Technologies, Computer System Architecture, Advanced Database Management System, Theory of Computation, Data Structures, Web App Development

TECHNICAL SKILLS

- **Languages:** Go, Swift, Python, C++, TypeScript, JavaScript, Dart, HTML, CSS, Shell Script
- **Frameworks:** Flutter, Next.js, Node.js, React, Vue, IoT
- **Cloud:** Amazon Web Services, Google Cloud Platform, Oracle Cloud, Vercel, Digital Ocean, Docker & Kubernetes
- **Database:** PostgreSQL, MySQL, MongoDB, Prisma, Planet Scale, Firestore
- **Tools:** Git, GoLand, Xcode, PyCharm, Docker, Colab, IntelliJ, CLion, Visual Studio Code

EXPERIENCE

Research Associate

January 2024 – Present

SCU Frugal Innovation Hub

- As the Tech Lead for "SheerLoveRwanda," successfully transitioned the Flutter app to MVVM architecture. This change reduced the app size by 10% and increased its speed by 2-3 times. Improved user experience, especially in regions with varying network conditions.
- As a Flutter App Developer, contributed to the "Equation2Success" app, addressing school bullying in a LA high school, with a user-friendly interface, admin panel for case management, and efficient ticket raising.

Senior Software Engineer

June 2019 – January 2023

ClickLabs Pvt. Ltd.

- Led Yelo product development at Jungleworks, launching impactful Secret Spa London apps that streamlined service bookings. Achieved positive impacts on 30+ SaaS clients, boosting profitability by over \$10,000 each.
- Directed Mezmo IoT app development at Mahindra-Susten, integrating BLE-controlled bike features. Widely used by 500+ daily riders, the app provided advanced capabilities for maintenance and life cycle analysis. Also served as a career counselor, mentoring five iOS app development interns for their professional growth.

Software Engineering Intern

June 2018 – June 2019

ClickLabs Pvt. Ltd.

- Proficient in Swift and Storyboards on Xcode, with comprehensive knowledge of iOS principles. Specialized in seamlessly integrating IoT-based bikes through BLE methods, ensuring optimal functionality.
- Proven track record of active participation in multiple projects, successfully shipping code, and receiving positive feedback from over 100 beta app tests. Adept at crafting SaaS-based applications to address diverse technological requirements.

PERSONAL PROJECTS

[Banjo-AI](#) (Next.js, React, TypeScript, MongoDB, Prisma DB, Tailwind CSS, OpenAI, Vercel, REST APIs, Stripe)

November 2023 – January 2024

Google Developer Students Club

- Developed a versatile application capable of generating content such as chat, code, images, videos, and music from a text prompt.
- Seamlessly integrated OpenAI to enhance the platform's capabilities, enabling the generation of diverse content.
- Implemented Stripe for a robust and secure subscription model, ensuring efficient and reliable payment processing.

[CarGoGo](#) (Go, PostgreSQL, Flutter, Machine Learning, Docker, gRPC & REST APIs)

October 2023 – December 2023

Inrix Hackathon (ACM) 2023

- A carpooling service focused on backend operations using Go, complemented by a PostgreSQL database.
- Developed a secure user registration and authentication system to protect user data.
- Engineered an effective matching algorithm, optimizing passenger-driver pairings based on preferences and routes.
- Expanded the project's reach by developing a Flutter app, integrating Google Maps, and authentication session handling.

[Quiklink](#) (Go, PostgreSQL, AWS Cloud, Docker, GoTemplate)

August 2023 – January 2024

Santa Clara University

- Developed Quiklink, a robust URL-shortening tool with Golang backend for speed. The frontend, created with HTML, CSS, and JavaScript, offers a clean and user-friendly interface for concise link generation from lengthy URLs.
- Added customization for preferred aliases in custom short links, enhancing user experience and personalization.
- Implemented analytics features to track link clicks and performance, providing users with insights into the effectiveness of their shared links.

INTERESTS

Technical Interests

- Machine Learning/AI, Full Stack Development, Mobile Apps, Cloud Server Management, DevOps, Site Reliability, Automation.
- IoT Research, Bare Metal Infrastructure, Scalable Software Solutions.

Co-Curricular Activities

- Events Lead at Google Developer Students Club.
- Cricket, Music Production, and Snooker.