Chirag Garg

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Github: https://github.com/Chiggy-Playz

LinkedIn: https://www.linkedin.com/in/Garg-Chirag--

EDUCATION

Indian Institute of Technology Madras

Remote

Bachelor of Science - Data Science and Applications

2024 - present

Courses: Data Science, Databases, Data Structures, Machine Learning, Web Development

Guru Tegh Bahadur Institute of Technology

Delhi, India

Bachelor of Technology - Artificial Intelligence and Machine Learning

2022 - present

Courses: Artificial Intelligence, Machine Learning, Operating Systems, Data Structures, Analysis Of Algorithms,

Networking, Databases

Delhi, India

Senior Secondary XII (Science)

2021-2022

 $Graduated\ with\ 92.8\%$

Laxman Public School

Laxman Public School

Delhi, India

Secondary X

Graduated with 92.8%

2019-2020

Projects

• HLN-A - Discord bot for the game Ark: Survival Evolved A discord bot written in python with the help of discord.py library. Used by more than 400,000 users in 8000+ servers.

Tech: Python, discord API, PostgreSQL, Selenium, Rust

• HLN-A - REST API An HTTP API written for HLN-A Discord bot in python using FastAPI and PostgreSQL. Built for horizontal scalability and containerized via docker.

Tech: Python, FastAPI, PostgreSQL, HTTP API, REST API, Docker

- Krishi Gyan To provide farmers with accurate soil information using sensor mesh technology Developed a flutter app which integrates with IoT sensors to collect accurate soil information Github Repository
- Leetcode Reminders Leetcode problem reminder app for spaced repetition practice A web app that helps users practice coding problems using spaced repetition. Users set problem reminders, and the app reschedules them at increasing intervals for effective learning.

Tech: Python, FastAPI, Flutter, SQLite3, Rest API Github Repository

• CRSManager - App to completely digitize challans and track assets Flutter app to help maintain challan records with built in asset management solution.

Tech: Dart, Flutter, Google ML Kit, PostgreSQL, Supabase Github Repository

• Resume Manager - Resume Hosting and Version Control System Java Spring Boot application to manage and host resumes via a personal domain like resume.chiggydoes.tech. Supports uploading multiple PDF versions, selecting the current version, and downloading previous versions.

Tech: Java, Spring Boot, Docker, GitHub Actions, Tailwind CSS Github Repository

• Mime - WhatsApp Sticker management made easy Import stickers from various platforms such as discord and telegram into WhatsApp sticker library using bots on respective platforms and a flutter app. Manage sticker packs, edit stickers, and use them in any stikcer supporting app with help of ewesticker.

Tech: Python, Supabase, Flutter, Dart Github Repository

Work Experience

Cirun

Jun2025 - Present

- Intern Software Engineer Backend
 - Engineered a **custom GitHub Actions cache server** to redirect cache storage to cloud providers (S3, GCP, Azure Blob Storage, Hetzner, etc.), reducing CI latency and GitHub storage dependency.
 - Automated CI/CD pipelines and infrastructure provisioning using GitHub Actions, Docker, Traefik and Terraform for seamless deployment across services.
 - Working on a CLI tool to provision and manage Linux VMs via **cloud-hypervisor**, enabling lightweight, reproducible CI runners on demand.

Roomsvital

Feb 2025 - May 2025

Intern - App Developer (Flutter)

- **Designed and developed** a production-grade **Flutter app** from scratch to control proprietary smart door locks via BLE, enabling real-time lock/unlock and scheduling.
- Implemented secure communication using X25519-based encryption and key management for end-to-end encrypted interactions between mobile app and hardware devices.

• Shipped and maintained the app across both Android (Play Store) and iOS (App Store), with support for user authentication, access sharing, and remote device control.

Lucify Labs Aug 2024 - Oct 2024

Intern - App Developer (Flutter)

- Developed "Nami", a Flutter-based app for digitizing hotel activities, including task management, guest handling, and service management, targeting Android, iOS, desktop, and web.
- Contributed to developing and launching the mobile app on Google Play Store and iOS App Store and participated in desktop app development.
- Gained hands-on experience in startup environments, enhancing teamwork and cross-platform development skills.

$\operatorname{Chillin} \mathbf{Q}$

Jan 2023 - Mar 2023

Intern - App Developer (Flutter)

- Contributed as a Flutter developer actively involved in the development of a **multiplatform mobile app** for Android and iOS users.
- Gained valuable insights into cross-platform development practices and mobile app architecture, furthering my skills and understanding in the field.
- Leveraged collective expertise and teamwork to **troubleshoot issues**, optimize code efficiency, and deliver a seamless cross-platform mobile **app experience**.

Publications

• M. Singh et al., "Spring-Based Weight Determination System for Railway Wagons by Leveraging Suspension Compression," 2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON), New Delhi, India, 2024, pp. 1-9, doi: 10.1109/DELCON64804.2024.10867262.

SKILLS SUMMARY

• Languages Python, Java, Dart, SQL, Bash

• Frameworks Numpy, Pandas, Matplotlib, FastAPI, Flask, discord.py, Flutter, SpringBoot

• Tools Git, Docker, PostgreSQL, MySQL, SQLite, MongoDB, WSL, NGINX, Traefik, Caddy

• Platforms Linux, Unix, Web, Windows, Arduino, Raspberry, AWS, GCP, Mongo Atlas, Supabase, Firebase, Hetzner

• Soft Skills Critical thinking, Adaptability, Event Management, Writing, Time Management, Conflict resolution

EXTRA-CURRICULARS

Google Developer Student Club

Sep 2022 - Present

- App Developer Lead Flutter Developer
 - Developed cross platform apps using flutter.
 - $\circ\,$ Worked on a local first notes app using Mongo Realm.
 - Worked on Krishi Gyan An app to help farmers optimize their way of farming and join farming communities.