

# Chetan Goyal

📍 Bangalore, KA, India    ✉ the.chegoy@gmail.com    📞 +91-78-2726-5776    🌐 cgoyal.dev    🌐 Chetan-Goyal

## Education

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**Indira Gandhi National Open University (IGNOU)** June 2022 – June 2024

*Masters in Computer Applications*

- **Division:** First
- Developed project management skills by learning project tracking models and end to end project lifecycle.

**Delhi University** June 2019 – June 2022

*BSc. (Prog) Computer Science*

- **Division:** First
- Being a core member of Robotics Club, I contributed towards multiple events and hackathons.

## Experience

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**Software Development Engineer (Contract)** Noida, Uttar Pradesh

*Perizer*

*Oct 2024 – Feb 2025*

- Designed and Developed Scalable Backend Microservices Based Architecture for XReinn Project.
- Implemented a real-time data processing pipeline for monitoring and alerting.
- **Tech Stack:** Golang, Typescript, Fastify, NextJs, ReactJs, Azure, Postgres, MongoDB

**Software Development Engineer**

*Noida, Uttar Pradesh*

*Brainwave Science*

*Dec 2023 – Sep 2024*

- Lead a team for migrating project to a different Auth Module and major database side changes while keeping all the database in sync using custom migration scripts.
- Built live screen sharing module with complete end to end integration with the application.
- Automated the on-premise deployment setup for local servers installations.
- **Tech Stack:** Golang, Typescript, Fastify, VueJS, AWS ECS, S3, RDS, Postgres, Redis, Webauthn

**Junior Programmer Analyst**

*Noida, Uttar Pradesh*

*Brainwave Science*

*Oct 2022 – Nov 2023*

- Reduced CPU Consumption by 70% and Memory Usage from O(n) to O(1) in MacOS Application.
- Migrated User Based Licensing to Org Based with fine grained user limits within the organisation.
- Implemented CRUD operations for different modules within the application (both backend and frontend).
- **Tech Stack:** Golang, Typescript, Fastify, VueJS, S3, Postgres, Redis

**Flutter Developer**

*Gurugram, Haryana*

*WowTalent*

*Oct 2021 - Sep 2022*

- Leveraged AWS services and FFMPEG for video processing tasks (HLS playlist conversion, outro generation, and watermarking).
- Utilized Firebase Performance and Firebase Crashlytics for performance management and issue tracking.
- Integrated Self Managed Analytics Solution for tracking user activities.
- **Skills:** Python, Flutter, FFMPEG, AWS (MediaConvert, Fargate, Rekognition, EC2), Firebase.

## Projects

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**Nxt-Gen Vision Kit (Winner- EYIC Competition 2019-20)**

[youtu.be/b42p8QWwkVI](https://youtu.be/b42p8QWwkVI) 

- Cap for visually impaired people to make them independent via Face Recognition, Optical Character Recognition and Walking Mode
- Tools Used: Python, OpenCV, Teserract

## Cluix

[dashboard.cluix.in](https://dashboard.cluix.in) 

- Built Dashboard, [Mobile Application](#)  and OTA Update module for physical device. It captures the water quality, send the result to the govt and provides visual representation to the end users.
- Tools Used: Embedded C, Typescript, React, NodeJS, Flutter, AWS EC2

## Halox Smart Home

[playstore/halox](https://playstore/halox) 

- Built Backend and Mobile Application for controlling smart home devices.
- Tools Used: NodeJS, Flutter, AWS EC2

## Technologies

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**Languages:** Javascript, Go, Dart, Python, Embedded C, Bash

**Technologies:** Flutter, Typescript, VueJS, NodeJS, OpenCV, AWS Services (Lambda, EC2, ECS, S3, Rekognition, MediaConvert), Postgres, MongoDB, SQLite, Firebase