

# Gokul Krishnan G

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## Skills

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**Programming Languages:** Python, Golang, Java, JavaScript, C#, SQL

**Databases:** PostgreSQL, MySQL/MariaDB, MongoDB, Redis

**Frameworks/Libraries:** Gin, Django, Flask, NodeJS, ReactJS, expressJS, Unity3D

**Domains:** Fullstack web development, Game development, Deep learning, machine learning

## Experience

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### Software Engineer

June 2023 – present

*Open Financial Technologies*

*Bengaluru, India*

- Spearheaded the development of a new, line of credit based, lending feature of Open Money, serving more than 3.5 million businesses
- Implemented concurrent threads using goroutines for user KYC verification, reducing response time of the API by 53%
- Engineered robust back-end logic for multiple mission-critical components, encompassing user bank account verification, E-mandate registration, and loan withdrawals, leading to a smooth and reliable system for more than 3000+ initial users
- Utilized Go asynq worker and in-house microservices to implement a dynamic email and whatsapp notification system with an automated retry mechanism
- **Technical Skills:** Golang, Gin, RestAPI, PostgreSQL, Git/Github, Jira, Agile development, test-driven development, Jenkins, Microservices

### Software Engineer Intern

January 2023 – June 2023

*Open Financial Technologies*

*Bengaluru, India*

- Engineered a new microservice from scratch to streamline 3rd party service integration and communication for Open Capital, a lending service used by more than 3 million businesses
- Implemented the connected banking feature of zwitch and provided crucial business logic enhancements and bug fixes to ensure smooth and secure management of financial data
- Collaborated within a cross-functional team to break down a monolithic application into microservices, implementing robust communication protocols between various components to enhance scalability and efficiency
- **Technical Skills:** Golang, Gin, RestAPI, MySQL, PostgreSQL, Git/Github, Jira, Agile development, test-driven development, Microservices

## Education

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### Amrita University

June 2019 – July 2023

*Bachelor of Technology in Computer Science and Engineering*

*Kollam, India*

## Projects

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**YouTube Comments Summarizer** | *Python, Flask, Natural Language Processing, ReactJS, JavaScript*

- Developed a web application for AI generated summaries and emotion recognition of youtube comments, **Github Link**
- Implemented a unique summarization technique for social media comments by combining extractive and abstractive methods to ensure the output summary is unique and non-repetitive

**Seefood** | *Python, Machine Learning, Django, web-scraping, data mining*

- Developed a Web Application to recommend visually similar Indian recipes based on uploaded image, **Github Link**
- Created a dataset of 786 unique Indian recipes with 9432 food images by scraping the web using Python-BeautifulSoup

**Restaurant Management System** | *Python, Tkinter*

- Developed a desktop application that can be used by the chefs, in a restaurant, to track the orders received from different tables, overall reducing human error in the system, **Github Link**

## Extracurricular

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### Student Social Responsibility

- Conducted an awareness session on Cyber Bullying and Cyber Misuse for school and college students
- Link to a Blog Post about the event

### Certifications

- HTML, CSS, and Javascript for Web Developers
- Deep Learning with PyTorch : Neural Style Transfer