

V Madhan Kumar

Bengaluru, Karnataka, India

madhanstarc@gmail.com [in](#) [V Madhan Kumar](#) ☎ 91-8050157579

 [Madhan-Kumar22](#)

EDUCATION

National Institute of Technology, Karnataka, Surathkal	2019-2023
BTech in Computer Science Engineering	CGPA: 8.47/10.0
Minors in Management	CGPA: 8.6/10.0
Sri Chaitanya Techno School, Bengaluru	2017-2019
XII CBSE	95.6%

COURSEWORK

Wireless Networks, Digital Image Processing, Machine Learning, Software Engineering, Database Management System, Design and Analysis of Algorithms, Entrepreneurship, Business Analytics and Decision Making, Marketing and Financial Management.

EXPERIENCE

PlayGPL (Litifer), Bengaluru	May 2023 - Mar 2025
Software Engineer	
<ul style="list-style-type: none">➤ Built and optimized web applications using Next.js, enhancing performance and user experience with server-side rendering for our team.➤ Designed and implemented RESTful APIs using Golang (Gin framework), ensuring secure and efficient data handling.➤ Developed and maintained Android and iOS applications using Flutter, focusing on seamless UI/UX and performance.➤ Integrated third-party services and APIs for authentication, payments, and real-time data processing.➤ Assisted mobile and web developers in debugging and resolving technical issues across the stack.	
Hoggy (Litifer), Gurgaon	May 2022 - July 2022
Flutter Developer Intern	
<ul style="list-style-type: none">➤ Assisted Mobile Application Developers in development and troubleshooting.➤ Monitored errors sent by defects team under direction of development team.➤ Developed and architected multiple Android and iOS applications across multiple releases.➤ Tested the entire development of the application and integrated with web services.	

PROJECTS

Major Project regarding API Security Domain

Nov 2022 – April 2023

- Experimenting HTTP/2 Multiplexing Vulnerabilities on Rate Limited Spring Boot Server along with an API Gateway.
- Several kinds of attacks were performed between HTTP/1.1 and HTTP/2 with/without API-Key modifications and Multiprocessing (parallel instead of serial attacks in general).
- Setup included a Research PC (very high RAM and Disk Space), Spring Boot API Gateway, Apache server. Frameworks used were Eclipse, Postman, BurpSuite, System Monitor.

Edu Hub

Aug 2021 – Nov 2021

- A Flutter app (Android + iOS) built using Dart language with Postgresql in AWS hosted on Heroku.
- An Open platform for all the events, boot camps, webinars from all the colleges to extend their reach and for students to register for various events.
- A Complete Fully Functional App made using Agile Model Software Development Cycle . All documents like SRS, Testing, Maintenance Reports have been attached in the Git Repo.
- Github Repo: <https://github.com/Madhan-Kumar22/EduHub>

Virtual TryOn

Dec 2020 – Mar 2021

- A computer vision and deep learning-based project that enables the user to try on spectacles, watches and other accessories virtually.
- Uses MTCNN Model for Face detection and Custom YOLOv5 Object Detection model to detect fingers.
- Built this application using Google Colab and Roboflow for annotating datasets.
- Github Repo: <https://github.com/Madhan-Kumar22/Virtual-TryOn>

TECHNICAL SKILLS

- Programming Languages: C++, Dart, Golang, Python, Javascript
- Technologies/Frameworks: Flutter, AWS, React and Next.js
- Database Technologies: MySQL , Postgresql , SQLite

AWARDS / EXTRACURRICULAR

- 30th State Rank in NTSE - Stage 1 Karnataka

Technical Clubs

- Executive Member at IET NITK: played a role as Assistant Webmaster for improvising and maintaining IET Website.
- Improvising and regulating [NeST](#) (Network Stack Tester), a network simulator built by NITK