

# KUMARAVELU.R

## Python Developer

 Madiwala,Banglore.

 +91 7010920699

 kumaravelu2003@gmail.com

 <https://peaceboii.github.io/>  
My-portfolio/

 [www.linkedin.com/in/  
kumaravel-raj](https://www.linkedin.com/in/kumaravel-raj)

 <https://github.com/peaceboii>

## CORE COMPETENCIES

**Languages:** Python, JavaScript, HTML, CSS

**Frameworks:** Flask, Django

**Databases:** PostgreSQL, SQLite

**Tools & Tech:** Git, GitHub, Render, PgAdmin, Docker

**Concepts:** REST APIs, CRUD operations, OOP

**AI&ML:** LLM, Transformers, MLOps fundamentals

## CERTIFICATIONS

### PAPER PRESENTATION

- 2022 - cyber forensic for real world
- 2023- d-centralized voting system, the art of distributed audio video compression
- 2024 - smart traffic management system

### HACKATHON

- 2022 - PLI BLOCKATHON INDIA '22

## COURSEWORK

- Python (open-sources)

## EDUCATION

### SNS College of Engineering

Bachelor of Engineering - CSE (IoT and cyber security including blockchain technology)

**6.74 CGPA** (2021 – 2025)

Karaikudi maharishi vidhya mandir school

HSC

85% 2019 – 2021

SSLC

82% 2018 – 2019

## RELEVANT PROJECTS

### NEWSBOT – DJANGO WEB APP

- Built a full-stack news aggregation platform with user authentication, caching and real-time news updates.
- Deployed the project on Render with SQLite database, static files management, and environment variables.
- Implemented API with NewsApi & Gnews API and automated news storage.
- Live Demo: <https://newsbot-gzlm.onrender.com>
- GitHub: <https://github.com/peaceboii/NewsBot.git>

### FINANCE Q&A CHATBOT

- Collected & cleaned 10K+ finance Q&A pairs
- Fine-tuned GPT-2 Medium with LoRA for efficiency.
- Built a Streamlit app for live Q&A with citations.
- Evaluated with BLEU, ROUGE, and BERTScore.
- Live demo: <https://gpt2-finance.streamlit.app/>
- GitHub: <https://github.com/peaceboii/gpt2-finance-qa.git>

### PERSONAL FINANCE TRACKER

- Full-stack web app to manage personal expenses and income.
- Built with Flask, PostgreSQL, Render for deployment, and integrated Supabase for testing DB.
- Live demo: <https://personal-finance-tracker-wh46.onrender.com>
- GitHub: [personal-finance-track](https://github.com/personal-finance-track)