Mohamed Yasar Arafath K M

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SUMMARY

Creative and results-driven software engineer with experience in developing full-stack web applications, management systems, and network analysis tools. Skilled in API development, relational and NoSQL databases, and building scalable, maintainable codebases. Strong foundation in both frontend and backend technologies.

PROJECTS

BOOKSHOP MANAGEMENT SYSTEM

PHP | MySQL | Bootstrap | JQuery

Jan 2023 – Mar 2023

- Automated stock tracking with real-time **SQL queries**
- Customer accounts with purchase history tracking, **Secure login** with password hashing.
- Designed relational **MySQL** schemas for efficient book/customer/order relationships.

PACKET SNIFFER

C

MAR 2025

- Developed a low-level packet sniffer in C using libpcap to capture and analyze live **network traffic** on specified interfaces.
- Parsed the Ethernet header to extract and display essential information such as source and destination MAC addresses and the Ethernet protocol type.
- Served as a foundational tool for **network diagnostics**, **security analysis**, and **protocol education**.

URL SHORTENER

Python | Flask

MAY 2025

- Built production-ready endpoints (POST for shortening, GET for redirection) using Flask.
- Designed **SQLite** schema for efficient URL mapping storage. Optimized lookup performance.
- Configured **Apache web server** with **mod_wsgi**, optimizing performance to handle 100+ concurrent requests /sec

ACHIEVEMENTS

2ND PRIZE - ERROR 404 (Debugging)

- Among 50+ teams at BitSync 2024, Conducted by AM Jain College, Chennai

2ND PRIZE - TECHNICAL QUIZ

- A technical quiz competition based on ML/AI at JUNO 2024, Conducted by Guru Nanak College, Chennai

EDUCATION

MEASI INSTITUTE OF INFORMATION TECHNOLOGY
Master of Computer Applications
Cum. GPA: 7.2/10.0 | Grad. MAY 2025

THE NEW COLLEGE
Bachelor of Commerce
Cum. GPA: 6.9 / 10.0 | Grad. APR 2023

SKILLS

PROGRAMMING:
C, Python, PHP, JavaScript, Bash

DATABASE :
MySQL, SQLite, MongoDB

FRAMEWORK & LIBRARY:
Bootstrap, Laravel

TOOLS & TECHNOLOGIES:
Git/GitHub, CI/CD, Wireshark, mod_wsgi

INFRASTRUCTURE:
Linux, Apache, Network Analysis

DEVELOPMENT PRACTICES :
Design Patterns, Conventional Commits, MVC

CERTIFICATIONS

Learn the Art of Hacking Through Programming

Developing Secure Software

Python Basics for Data Science

Introduction to Linux

JavaScript Essentials

MERN Stack

LINKS

 GitHub: KMyasar
 LinkedIn: mhdyasr21
 Portfolio: yasar-arafath.web.app
 HackerRank: smartyasar47