

Mohamed Yasar Arafath K M

Software Developer

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SUMMARY

Versatile software developer with hands-on experience in C, Java, Python, and PHP. Skilled in building scalable backends, integrating RESTful APIs, and streamlining workflows with Git, Docker, and CI/CD. Strong foundation in OOP principles and MVC architecture. Focused on clean, efficient, and maintainable code. Clear communicator, detail-oriented, and collaborative team player with a growth mindset.

PROJECTS

BOOKSHOP MANAGEMENT SYSTEM [↗](#)

PHP | MYSQL | BOOTSTRAP

- Implemented secure login with password hashing, customer accounts, and purchase history.
- Automated stock tracking with real-time SQL queries and efficient relational schema design.

PACKET SNIFFER [↗](#)

C | LIBPCAP

- Built a low-level packet sniffer to capture and analyze live network traffic.
- Parsed MAC addresses and protocol types for network diagnostics and education.

URL SHORTENER [↗](#)

PYTHON | FLASK | SQLITE

- Developed a production-grade URL shortening service, handling 100+ concurrent requests/sec.
- Configured Apache with mod_wsgi for high-performance deployment.

ACHIEVEMENTS

2ND PRIZE | DEBUGGING CHALLENGE

AM Jain College | 2024

- Successfully identified and resolved bugs under tight constraints among 50+ teams.

2ND PRIZE | ML/AI TECHNICAL QUIZ

Guru Nanak College | 2024

- Demonstrated strong theoretical understanding in AI and machine learning fundamentals.

EDUCATION

Master of Computer Applications

Graduated | MAY 2025

MEASI INSTITUTE OF INFORMATION TECHNOLOGY

Cumulative GPA: 7.2/10.0

Bachelor of Commerce

Graduated | APR 2023

THE NEW COLLEGE

Cumulative GPA: 6.9/10.0

SKILLS

Languages: C, Java, Python, PHP, JavaScript, Bash

Frameworks & Libraries: Laravel, Bootstrap

Tools & Practices: Git/GitHub, CI/CD, Docker

Databases: MySQL, SQLite, MongoDB

Concepts: Data Structures, Algorithms, OOP, SDLC, Debugging, Multithreading

CERTIFICATES

Learn the Art of Hacking Through Programming - SNA Academy

Developing Secure Software - The Linux Foundation

Introduction to Linux - edX

MERN Stack - Futuro Focus