

# Mohammed Arshad I

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## Professional Summary

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Enthusiastic and self-motivated Software Developer with hands-on experience in Java, Python, and Data Structures & Algorithms (DSA). Proficient in web development technologies (HTML, CSS, JavaScript) and actively growing expertise in AWS cloud services. Possess strong problem-solving skills and a passion for designing efficient, scalable, and innovative software solutions.

## Education

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### B.E. in Electronics and Communication Engineering

Karpagam Institute of Technology, Coimbatore, Tamil Nadu  
2023-2027  
CGPA: 8.15

## Technical Skills

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**Programming:** Java, Python, C

**Web:** HTML, CSS, JavaScript

**Cloud:** AWS

**Tools:** Git, VS Code

**Soft Skills:** Problem Solving, Communication, Team Leadership

## Projects

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### BLOOD DONATION ALERT PAGE

The primary challenge in blood donation is the timely availability of compatible blood types, particularly during emergencies. Blood banks and hospitals can register to post alerts. Blood banks and hospitals can create urgent alerts specifying the blood type, location, and needed volume. Donors receive notifications via SMS, email, or app notifications based on their preferences and proximity.

### MEDICINE INVENTORY MANAGEMENT SYSTEM

Developed a Medicine Inventory Management System using Java (JDBC) and MySQL to manage suppliers, medicines, stock levels, and orders. Designed a relational database schema with tables for Supplier, Medicine, Stock Level, Orders, and Order Item with proper primary and foreign keys. Implemented real-time tracking of stock and expiry dates, improving restocking efficiency and reducing expired medicines. Gained hands-on experience in JDBC integration, SQL, and full-stack application development.

### Serverless Web Application on AWS

HTML | CSS | Python 3.8 | AWS Lambda | API Gateway | DynamoDB | IAM

Developed a serverless web application using AWS API Gateway, Lambda (Python 3.8), and DynamoDB, with a responsive HTML/CSS frontend. Built RESTful APIs and implemented server-side logic with Lambda for dynamic requests and data validation. Designed a scalable DynamoDB backend for secure storage of user submissions. Configured IAM roles to enforce strict access control and security. Gained hands-on experience in serverless architecture, cloud integration, and scalable application design.

## Certifications

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- SQL (Basic & Intermediate & Advanced) – HackerRank
- AWS Cloud Practitioner Essentials – AWS, 2024
- DBMS Course – Master the Fundamentals and Advanced Concepts - Scaler ,2025
- Object Oriented Programming in Java Course Online – Scaler,2025
- Mastering AWS Serverless: Hands-On with Core AWS Services – Udemy,2025