



MOHAMMAD ARFATH KHAN

B.Tech in Computer Science and Engineering
Hyderabad, Telangana

+91-9391514608

✉ mohammadarfathkhan61@gmail.com

GitHub Profile

LinkedIn Profile

Portfolio Website

Objective

Highly motivated Computer Science graduate with strong programming and analytical skills, seeking a full-time opportunity to contribute to innovative projects while learning from industry professionals.

Skills

- Programming:** Java, Python, HTML, CSS, JavaScript, React
- Backend & Databases:** REST APIs, JDBC, MySQL, PostgreSQL
- Data Analytics:** Pandas, NumPy, EDA, KPI reporting
- BI Tools:** Power BI (DAX, Dashboards), Excel (PivotTables, Power Query)
- Cloud:** AWS (EC2, S3, IAM, VPC)
- Tools:** Git, GitHub, VS Code, IntelliJ IDEA, Jupyter Notebook
- CS Fundamentals:** SDLC, OOP, DSA, OS, Networking Basics

Projects

RecipeHub – Full-Stack Recipe Management System

Java, HTML, CSS, JavaScript

- Developed a full-stack recipe management application using Java REST APIs with secure role-based authentication.
- Implemented CRUD operations for recipes and ingredients, integrating frontend and backend using Fetch API and token-based authorization.
- Designed admin-only access controls, validations, and dynamic UI updates to ensure security and usability.

SmartSpend Tracker

Spring Boot, JDBC, Angular

- Full-stack personal expense tracking application designed to help users record, analyze, and visualize spending patterns through an intuitive dashboard and real-time analytics.
- Developed RESTful APIs using Spring Boot and JDBC DAO architecture, enabling secure and efficient CRUD operations on financial transactions.
- Implemented Angular-based dynamic UI with real-time updates, seamless backend integration, and responsive design for smooth user experience.

Online Exam Proctoring System Using AI

Python, OpenCV, TensorFlow

- Built an AI-based exam proctoring system using computer vision to monitor candidate behavior during online assessments.
- Implemented face detection and gaze tracking to detect suspicious activities.
- Integrated recording, logging, and anomaly detection mechanisms to enhance exam integrity.

AWS EC2 & S3 Cloud Deployment

Node.js, AWS

- Deployed a Node.js application on AWS EC2 and integrated Amazon S3 for scalable storage.
- Configured IAM roles, security groups, and VPC networking to ensure secure cloud operations.

Experience

AWS Intern

Internship Studio

Sep 2024 – Oct 2024

Remote

- Assisted in designing and deploying cloud infrastructure using AWS EC2 and S3.
- Worked with IAM policies and VPC configurations to maintain secure cloud architecture.
- Supported migration of on-premise applications to AWS, improving performance and cost efficiency.

Data Analyst Intern

GeeksforGeeks

Sep 2025 – Jan 2026

Hybrid

- Performed exploratory data analysis (EDA) on large datasets to identify trends and quality issues.
- Curated and validated datasets to support predictive modeling workflows.
- Proposed data-driven strategies using ethical AI principles.

Education

Jyothishmanthi Institute of Technology and Science, Karimnagar

2021 – 2025

B.Tech in Computer Science

CGPA: **7.31/10**

Alphores Junior College, Karimnagar

2019 – 2021

Higher Secondary (MPC)

Percentage: **82%**

Alphores High School, Karimnagar

2018 – 2019

Secondary School

CGPA: **9.7/10**

Key Highlights

- Published research paper in JETIR (Impact Factor 7.95): “*Animal Classification from Videos and Location Sharing System Using AI*”.
- Completed AWS Internship training focused on EC2, S3, IAM, and deployment fundamentals.
- Certified Data Analyst (IBM) with hands-on experience in Python-based data analysis.
- Strong analytical reasoning and ability to communicate technical insights clearly.