Atharva Kedar

|atharva.dkedar@gmail.com |https://www.linkedin.com/in/atharva-kedar-963439259/|
https://github.com/AtharvaKedar123| https://atharvakedar123.github.io/

Summary

Backend Developer skilled in Python, Java, SQL, and Data Structures & Algorithms, with experience building scalable systems and automation tools. Strong in problem-solving and database design, with a proven ability to optimize performance and improve efficiency.

Experience

SYSTEMS ENGINEER | INFOSYS | FEBRUARY '25 – PRESENT

- Designed fiber network for **Australia (NBN**), **USA (COX)** and **Belgium (PROXIMUS).**
- Reduced costs by 37% through controls on overtime, operational efficiencies.
- Built and maintained automated test suites using **Python with Selenium and Robot Framework**, enabling faster regression testing and improving software reliability.

CUSTOMER SERVICE EXECUTIVE | HEXAWARE TECHNOLOGIES | JUNE '23 – SEPT '24

- Improved customer satisfaction by **50%** and reduced complaints by **30%** through effective issue resolution and communication strategies.
- Increased repeat orders by **30%** and average order value by **40%** by implementing customer retention strategies.
- Strengthened customer relationships using data-driven insights and personalized engagement techniques.

Education

Bachelor of Engineering
Mechanical Engineering • Priyadarshini College of Engineering • Nagpur, India • 8.75 CGPA

Core Skills

Backend Development: Python, Java, REST APIs, OOP, Multithreading

Databases: MySQL, PostgreSQL, MongoDB

Data & Analytics: SQL, JSON, Data Visualization

Core Concepts: DSA, System Design, Networking (OSI, Routing, Subnetting)

GIS & Spatial Analysis: QGIS, Shapefiles, Raster Data, Geoprocessing (Buffer, Clip, Dissolve, Spatial Join)

Tools & Platforms: Git, Linux, Docker, Power BI, Tableau, Jupyter Notebook

Projects

Order Automation Bot – Python | API

- Developed an automated system for real-time Bitcoin price alerts using external APIs with **<2s response latency**
- Processed live market data with **100+ API calls/hour** and implemented threshold-based trigger logic
- Reduced manual monitoring effort by **~90%** through event-driven automation

Cybersecurity Incident Tracking System – SQL | PostgreSQL

- Designed a normalized relational database schema with **5+ interconnected tables** for incident tracking
- Wrote optimized SQL queries (JOINs, subqueries, indexing) reducing query time by **~30%**
- Enabled analysis of **incident records** for threat severity, system impact, and resolution tracking

Inventory Optimization & Demand Forecast Dashboard – Power BI

- Built an interactive dashboard analyzing **100+ records** of inventory and sales data
- Implemented KPI tracking improving visibility of stock risks by **~40%**
- Designed 6+ visualizations (heatmaps, scatter plots) for actionable decision-making

LRU Cache Implementation – Data Structure and Algorithms

- Implemented LRU cache with **O(1) time complexity** for get/put operations
- Achieved **constant-time performance** using HashMap and Doubly Linked List
- Optimized memory usage and lookup efficiency for high-frequency access scenarios

Real-Time Stock Trading Simulator – Java | OOP

- Developed a trading simulator handling **100+ simulated transactions per session**
- Modeled real-time market fluctuations and portfolio updates with **millisecond-level processing**
- Designed modular OOP architecture improving code scalability and maintainability

Traffic Control System – Python | OOP

- Built a traffic simulation system handling **multiple intersections and 50+ vehicles per cycle**
- Implemented priority-based signal logic reducing simulated congestion by **~25%**
- Designed scalable OOP architecture for dynamic traffic flow control