

Shoaib Akhtar

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EDUCATION

SRM Institute of Science and Technology

B.Tech in Computer Science Engineering

June 2026

Current GPA: 8.65/10.0

EXPERIENCE

Climac Labs | *Intern*

Oct. 2023 – Dec. 2023

- Transitioned from real-time data processing to **batch processing**, achieving efficient handling of large datasets and enabling scalable solutions for future growth.
- Enhanced data processing efficiency by 25%** by assisting in designing and implementing a **scalable batch data ingestion architecture** tailored for high-volume data.
- Improved collaboration with embedded engineers, resulting in **30% faster batch data processing** and increased overall productivity.

DreamLucid Backend | *Freelance*

- Improved overall system processing speed by 65%** by optimizing backend operations, refining database queries, and enhancing data flow efficiency.
- Developed and integrated a graph creation and management system** using FastAPI and SQLAlchemy, significantly improving the visualization and performance of complex data relationships.

Ratatui | *Contributor*

- Revamped table rendering logic** by implementing it from scratch with various table styles and selection customizations, ensuring enhanced customization and performance for "text-based user interface" rendering.

PROJECTS

Presenza [↗](#) — Independent Attendance Management System

Designed and developed a scalable attendance management system **used by over 1,000 users**. Implemented geofencing and exposed RESTful APIs for seamless integration with third-party applications, **increasing adoption by 40%**.

SwiftSwitch [↗](#) — Dynamic Endpoint Management Gateway

Developed a resilient API Gateway with dynamic endpoint failover and customizable response formatting, designed to handle **50,000+ daily requests with 99.98% uptime**, enhancing user experience and operational efficiency.

CERTIFICATION

AWS Cloud Quest: Cloud Practitioner [↗](#)

Containers & Kubernetes Essentials [↗](#)

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, HTML, CSS, React

Backend: Flask, Node.js, SQL, MongoDB, REST APIs, GraphQL

Cloud: AWS (S3, EC2, Lambda), Docker, Kubernetes

Frameworks: React, Node.js, Flask, FastAPI, Material-UI

Tools: Git, Postman, CI/CD **Libraries:** pandas, NumPy, Matplotlib

Soft Skills: Problem-Solving, Analytical Mindset, Critical Thinking