Fakhruddin Shaik

(513) 996-8082 • shaikfn@mail.uc.edu • Cincinnati OH • linkedin.com/in/fakhruddin-shaik/ • github.com/fakhrushaik

EDUCATION

University of Cincinnati, College of Education, Criminal Justice and Human Services — Cincinnati, Ohio
Bachelor of Science, Major: Information Technology — Expected: May 2027
- *Track: Data Technologies and Software Development*
- *GPA: 3.25*
- Honors: Dean's List (6 semesters)

WORK EXPERIENCE

Student Worker — Jan 2024 - Present
University of Cincinnati, Conferences and Events Services — Cincinnati, Ohio
- Coordinated operations for 50+ university events, ensuring smooth execution across departments.
- Managed reservations and communications with 80+ faculty, staff, and external partners.
- Resolved real-time logistical issues, increasing event efficiency and attendee satisfaction.
- Supported high-volume daily student operations through process optimization and issue triage.

PROJECTS

Food Insecurity Forecasting Using Machine Learning — Jan 2025 – Apr 2025
Python, Pandas, Scikit-Learn, Matplotlib, Seaborn
- Processed and cleaned 250,000+ multi-source records (USDA, Census, Feeding America).
- Engineered features and built a Random Forest model improving baseline accuracy by 18%.
- Visualized socioeconomic and regional food-access disparities using statistical analysis and EDA.
- Generated a data-driven policy recommendation report for food distribution strategies.

InsightOps - Automated Data Pipeline & Dashboarding System — Jan 2024 – Apr 2024
Apache Airflow, Docker, PostgreSQL, Superset, MinIO
- Developed a 7-task automated ETL pipeline orchestrated with Apache Airflow.
- Built a Docker multi-service environment integrating Superset analytics, MinIO object storage, and PostgreSQL.
- Automated ingestion, transformation, and scheduling processes to ensure data freshness.
- Built interactive dashboards for trend monitoring and KPI visualization.

UC Punch 2.0 - Employee Time Tracking Web App — Mar 2024 – May 2024
ASP.NET MVC, C#, Entity Framework, SQL Server
- Built a responsive web application for staff time logging and task tracking.
- Implemented role-based access control, secure authentication, and CRUD workflows.
- Designed relational models and optimized SQL queries for performance and scalability.
- Documented system behavior with UML diagrams and testing notes.

EventBoard - MongoDB-Based Event Management System — Jul 2025 – Sep 2025
MongoDB, Node.js, Express, JavaScript
- Designed a NoSQL document schema for event listings, sign-ups, and dynamic updates.
- Built REST APIs with indexed queries and aggregation pipelines for analytics.
- Achieved 35% faster response times through optimized document structures and indexing.
- Tested system performance with simulated datasets of 5,000+ events.

SKILLS

- **Languages:** Python, Java, SQL, JavaScript, R, HTML, CSS
- **Databases:** MongoDB, MySQL, PostgreSQL, SQL Server
- **Data & ML:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Power BI
- **Cloud & Infrastructure:** AWS, Docker, Airflow, Superset, MinIO, Linux
- **Networking:** Wireshark, TCP/IP, DNS, Packet Analysis
- **Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook, RStudio, Eclipse