

RAI UMER FAROOQ

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[LinkedIn](#) | [GitHub](#)

Education

FAST NUCES, Faisalabad

Faisalabad, Pakistan

BS Software Engineering (2021 - 2025)

Projects

Completed Projects

[E-Commerce Website for Pumagas](#)

Duration: Jan 2025 - March 2025

Developed and deployed a fully functional e-commerce website for **pumagas.com.pk**, enabling online shopping with product listings, cart functionality, and payment integration.

Technologies Used: HTML5, CSS, React.js, Node.js, Express.js, MongoDB, DevOps (CI/CD pipelines, Docker).

Key Contributions: Designed a responsive front-end, implemented secure back-end APIs, and deployed the site using DevOps practices for streamlined delivery.

Live Deployment: pumagas.com.pk

[Dataset Annotation Using LLM](#)

Duration: Feb 2025 - Feb 2025

Created a side project to annotate datasets using a **large language model (LLM)** for self-learning and skill enhancement.

Technologies Used: Python, LLM APIs, Git, GitHub.

Key Contributions: Built an efficient annotation pipeline, improving data processing accuracy for machine learning applications.

Repository: [GitHub](#)

[Electricity Weather Analysis with LLM](#)

Duration: Mar 2025 - Mar 2025

Designed a project to analyze the impact of weather on electricity usage, leveraging an **LLM** for data interpretation and insights.

Technologies Used: Python, LLM models, Git, GitHub.

Key Contributions: Developed a model to correlate weather patterns with electricity consumption, enhancing predictive analytics.

Repository: [GitHub](#)

[Arabic to Persian and Urdu Dictionary](#)

Duration: Aug 2024 - Jan 2025

Built a multilingual dictionary application in Java, integrating **LLM models** to interpret and translate **Arabic** words into **Persian** and **Urdu**.

Technologies Used: Java, LLM APIs, JDBC, OOP principles.

Key Contributions: Created an intuitive UI and optimized database structure for efficient word retrieval and translation.

Ongoing Projects

Final Year Project: Automated Solar Electricity Sharing

Started: Aug 2024 - Present

Developing a **mobile-based solution** to automatically share **solar-generated electricity** with neighbors, promoting sustainable energy distribution.

Technologies Used: Java, Python, Mobile App Development (React Native), API Development, Cloud Technologies (AWS).

Current Focus: Designing a secure and scalable system for real-time energy tracking and automated sharing via mobile devices.

Extracurricular & Volunteer Experience

Security Society & Event Management Society

- Served as **Co-Head**, actively leading and organizing society initiatives. (2021 - 2024)
- Collaborated with diverse teams to plan and execute successful events. (2021 - 2024)

Certifications and Awards

- **ISC2 CyberSecurity Certification** (2025)
 - Gained expertise in access control, authentication, and security best practices.
- **Introduction to DevOps**
 - Learned key **DevOps principles** and practices.
 - Gained insights into CI/CD pipelines, automation, and collaboration between development & operations teams.

Technical Skills

- **Programming Languages:** Python, Java, C, C++, C#, R, TypeScript, JavaScript, SQL
- **Web Development:**
 - **Front-end:** HTML5, CSS, React.js, Next.js, Responsive Web Design
 - **Back-end:** Node.js, Express.js, FastAPI, Django
 - **Full-Stack Development:** Expertise in end-to-end web application development
- **Database Management:** PostgreSQL, MongoDB, RDBMS, Database Design & Development, JDBC
- **API & Cloud Technologies:** API Development, Plaid, Dwolla, Appwrite, Docker
- **Software Development & Tools:** Git, GitHub, GitHub Copilot, Version Control, Debugging, Engineering Documentation
- **Security & DevOps:** User Authentication (JWT), CI/CD Pipelines, Security Best Practices
- **Soft Skills:** Problem-Solving, Teamwork, Oral Communication, Project Management
- **Languages:** English, Urdu, Punjabi