



# Mohammad Danyal

📍 **Home :** 24651, Mohmand, Pakistan

✉ **Email:** [mdani.csit@gmail.com](mailto:mdani.csit@gmail.com) 📞 **Phone:** (+92) 3085907046

🌐 **LinkedIn:** <https://www.linkedin.com/in/danyal-devops/>

**Nationality:** Pakistani

## ABOUT ME

A highly motivated and experienced DevOps Engineer with a Bachelor of Computer Science and Information Technology (CS&IT) degree. Proven ability to develop and deploy microservices-based applications using AWS, Docker, Kubernetes, Linux, Git, YAML and Python. Seeking a challenging position in a fast-paced environment where I can use my skills and experience to make a significant contribution.

## EDUCATION AND TRAINING

[ 2019 – 2024 ]

### **Bachelor of Science Computer Science & Information Technology**

**University of Engineering & Technology Peshawar, Jalozai Campus Pakistan**  
<https://www.uetpeshawar.edu.pk/jalozai.php>

**City:** Peshawar

**Country:** Pakistan

[ 2017 – 2019 ]

### **Faculty of Science**

#### **Government Degree College**

**City:** Charsadda

**Country:** Pakistan

### **Cloud Solution Architecture**

#### **Pakistan Software Export Board**

**City:** Peshawar

**Country:** Pakistan

[ 2022 – 2023 ]

### **Coordinator**

#### **Computer Cell Society**

**City:** Jalozai Campus

**Country:** Pakistan

- Collaborated with a team of students to organize and manage technical events and workshops.
- Facilitated knowledge sharing and provided technical guidance to fellow students

## LANGUAGE SKILLS

**Mother tongue(s):** Urdu

**Other language(s):**

**English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Terraform / Ansible / Kubernetes / Docker / Jenkins | DevOps: AWS, Git. | Advanced User of Microsoft Windows | Python Language - Basic knowledge | Linux (Terminal Commands, Bash/Shell) | Project coordinator | Team Work and Team Leadership | Beginner JavaScript for WebDevelopment | HTML, JavaScript, MySQL, NGINX

## ORGANISATIONAL SKILLS

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### Organisational skills

My organizational skills include effective time management, task prioritization, resource allocation, planning and coordination, attention to detail, workflow optimization, documentation and reporting, multitasking, problem-solving, and collaboration. I have a proven track record of successfully managing projects, optimizing workflows, and achieving goals through efficient organization and coordination of tasks and resources.

## HOBBIES AND INTERESTS

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### Hobbies and interests

- Open-Source Contributions
- Continuous Learning
- Technology Enthusiast
- Fitness and Wellness
- Problem-Solving Challenges
- Research In CSIT field

## BACHELOR PROJECT AND THESIS

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[ 2022 – 2023 ]

### Project and Thesis

- Led the deployment of a microservices-based application using cutting-edge technologies. Responsibilities:
- Utilized Docker for containerization, ensuring consistency across development and production environments.
- Orchestrated containerized applications using Kubernetes (k8s), optimizing scalability and fault tolerance.
- Leveraged Amazon Web Services (AWS) to manage cloud infrastructure, enhancing application availability and performance.
- Collaborated with a development team, utilizing Git and GitHub for version control and collaborative code management.
- Automated deployment processes using Python and YAML scripts, streamlining continuous integration and delivery (CI/CD) pipelines.

"Thesis: Designed and Implemented Microservices-Based E-Commerce Web Application

Developed a comprehensive thesis focused on creating an innovative microservices-based e-commerce web application. Leveraged modern technologies such as React, Spring Boot, Docker, Kubernetes, AWS, and Algolia to build a scalable, fault-tolerant, and efficient platform. Successfully tackled challenges posed by traditional monolithic e-commerce systems, contributing valuable insights to the industry. Documented the entire project lifecycle from design and development to deployment and performance evaluation. Demonstrated proficiency in software architecture, frontend and backend development, cloud integration, and user-centric design."

**Link:** <https://github.com/Dani-CSIT/FinalProject>

RESEARCH INTERESTS

Computer Science and Information Technology (CSIT)

My research interests lie at the intersection of Computer Science and Information Technology (CSIT), with a particular focus on cutting-edge technologies and their practical applications. I am passionate about exploring innovative solutions in areas such as software architecture, microservices, cloud computing, Cybersecurity and Software application development. Through my academic pursuits, I have gained expertise in leveraging modern frameworks, such as Python, YAML, AWS, Docker, and Kubernetes, to create scalable and efficient software systems. My goal is to contribute to advancements in CSIT by addressing real-world challenges and crafting user-centered solutions.

REFERENCE

[ 2019 – 2024 ] Reference

Name: Dr. Aamir Saeed (US)  
Professor at University of Engineering & Technology Peshawar, Jalojai Pakistan  
CEO at K2X Peshawar Phone: +92 3364615887  
Email: [aseed@uetpeshawar.edu.pk](mailto:aseed@uetpeshawar.edu.pk)

Name: Dr. Laeeq Ahmed (PhD, Sweden)  
Head of Department CS&IT (Jalojai Campus)  
University of Engineering & Technology Peshawar  
Phone No: +92 321 5779727  
Email: [laeeq@uetpeshawar.edu.pk](mailto:laeeq@uetpeshawar.edu.pk)