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Pakistani

LinkedIn

Danial Asghar

Languages

English

Urdu

Technical Skills

Programming Languages

Python

Web Technologies

HTML5, CSS3, Bootstrap 5,
Tailwind CSS

Frameworks & Libraries

Flask, Streamlit

Database Management

PostgreSQL, MySQL, SQLite

Software Design &

Architecture

Design Patterns, Software
Architecture, Agile
Methodologies, Version Control
(Git), CI/CD, Unit Testing, API
Integration, Database
Management

Development Tools &

Platforms

Docker, GitHub, GitLab, VS
Code

OnDemand (SaaS) Solutions

OpenERP (Odoo 19), AWS
(basic)

Danial Asghar

Software Engineer | IT Support | ERP (Odoo)

Software Engineer with expertise in Python, data analysis, ERP systems, and web development. Experienced in Business Process Engineering, Software Architecture, and Agile methodologies. Skilled in developing scalable SaaS solutions, integrating APIs, and automating workflows using Odoo, PostgreSQL, and modern web technologies. Passionate about building efficient, user-focused software and continuously expanding technical expertise.

Work Experience

Software Developer

Hexofarm Technologies Pvt Ltd, Islamabad, Pakistan

From October 2024 to March 2026

- Design, develop, and maintain scalable web applications.
- Implement backend API integrations for seamless system functionality.
- Customize ERP solutions to meet specific client requirements.
- Collaborate with cross-functional teams to deliver high-quality software products.

Software Developer (Internship)

Hexofarm Technologies Pvt Ltd, Islamabad, Pakistan

From June 2024 to August 2024

- Assisted in designing, developing, and maintaining web applications, including backend API integration.
- Contributed to customizing ERP solutions and improving system functionality according to client requirements.
- Collaborated with teams to deliver software solutions, gaining hands-on experience in debugging, code optimization, and the software development lifecycle.

Software Engineer Intern

Softech UK, Islamabad, Pakistan

From May 2023 to July 2023

- Led a team of interns to develop Python automation scripts improving workflow efficiency.
- Optimized processes to reduce manual effort and enhance productivity.
- Collaborated with team members to analyze, debug, and streamline operations.
- Contributed to implementing scalable solutions for ongoing projects.

Education

BS Software Engineering

Capital University of Science and Technology, Islamabad, Pakistan

From 2021 to 2025

- Key Courses:** Software Requirement Engineering, Software Architecture & Design, Software Construction & Development, Data Analysis, Artificial Intelligence, Internet of Things
- Academic Activities:** Participated in events such as RoboCust, Project Exhibitions, and Innovation Showcases.
- Hackathon Experience:** Competed in university-level hackathons, developing innovative software solutions under time constraints and collaborating with multidisciplinary teams.

Achievements

- Awarded **Best Innovation Award** from **SIUK** for *InsightPilot – Data Analysis Tool*.
- Recognized on the **Dean's Honor Roll** for achieving a 3.5 GPA at Capital University of Science and Technology.
- Honored with **4 Shields of Appreciation** for outstanding contributions in team projects and leadership activities.
- Received **13 Certificates of Appreciation** for excellence in event organization and coordination.

Research Interests

- Data Science & Machine Learning Applications
- Business Process Automation
- Software Architecture & Scalable Systems

Core Competencies

- Ability to work well with others and collaborate effectively
- Ability to analyze information, make decisions, and think outside the box
- Ability to identify challenges, design effective solutions, and implement them efficiently

Extracurricular Activities

- Participated in **RoboCust**, National Project Exhibitions, and multiple innovation showcases.
- Served as **event organizer** for technical, hackathon, and innovation competitions at CUST.

Certifications

Fundamentals of Machine Learning and Artificial Intelligence

AWS, Coursera 2025

Acquired core knowledge of ML and AI concepts, algorithms, and applications using AWS tools and services.

Project Management Specialization

University of Colorado Boulder, Coursera 2022

Covered project initiation, planning, execution, and Agile methodology to effectively manage and deliver successful projects.

Website Development

University of Michigan, Coursera 2022

Gained foundational skills in HTML5, CSS3, and JavaScript to design and build interactive, responsive websites.

Creative Thinking: Techniques and Tools for Success

Imperial College London, Coursera 2022

Learned structured techniques to generate innovative ideas, solve complex problems, and enhance creativity in professional projects.

Academic Projects

InsightPilot - Data Analysis Tool (FYP)

- Automated **80%** of data preprocessing, including cleaning, transformation, and feature engineering.
- Generated **interactive visualizations** and data summaries for faster insight extraction.
- Integrated **machine learning models** for predictive analytics.
- Included an **AI-powered chatbot** for dataset searching, querying, and analysis guidance.
- Designed to make analytics **90%** more accessible to non-technical users through a user-friendly interface.
- Awarded **Best Innovation Award** at SIUK for its impact on simplifying data-driven decision-making.

Python Code Vulnerability Detection System

- Built a tool to **detect and resolve security vulnerabilities** in Python code.
- Provided users with secure, updated versions of code through automated issue detection and resolution.
- Enhanced software security while reducing manual code review time.

Hirezy – AI-Driven Career Empowerment Platform

- Developed an **AI-powered platform** for CV optimization, ATS evaluation, and intelligent job matching.
- Integrated a **CV Recommendation Chatbot** to provide real-time feedback and career tips.
- Built features such as job filtering, real-time job alerts, and CV versioning to enhance user experience.

Odoo ERP Implementation for Business Process Automation

- Deployed Odoo ERP to automate **sales, purchase, inventory, POS, HR, and accounting** workflows.
- Improved operational efficiency, accuracy, and real-time business reporting.
- Delivered a fully customized ERP solution aligned with business needs.