

# MUHAMMAD DANISH

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## EDUCATION

### Bachelor Of Science - Computer Science

2020-2024

#### Pak-Austria Fachhochschule Institute Of Applied Sciences And Technology, Mang

**Courses:** Data Structures, Algorithms, Database Systems, Software Engineering, Web Engineering, Networks, Artificial Intelligence, Mobile Dev

## SKILLS & INTERESTS

- **Languages:** JavaScript • Python • C++ • C# • ABAP
- **Web & Database:** HTML • CSS • SQL Server (SSMS) • MySQL • Firebase • Node.js • MongoDB
- **Libraries / Frameworks:** ReactJS • Flask • Bootstrap • .Net • google-generativeai • neo4j-driver • requests • NLKT • jsonify • BeautifulSoup • urllib.parse
- **APIs & Cloud Services:** Gemini API • Google • Vertex AI • Sandbox Neo4j
- **Tools:** NPM • Yarn • Vite • Git • Figma • Canva • Visual Studio • VSCode • MS Office
- **Soft Skills** Communication Skill • Troubleshooting • Problem Solving • Team Management • Decision Making

**Conversational Languages:** English - Profesional Proficiency; Urdu - Native

## EXPERIENCE

### ERP And AI Intern, Army Welfare Trust, Rawalpindi, Pakistan

08/2023 - 09/2023,

- **SAP ABAP Programming:** Developed and maintained custom reports, forms, and enhancements in SAP using ABAP to support the business processes of AWT.
- **AI Surveillance Project:** Integrated Blue Iris Software with CodeProject.AI for enhanced surveillance capabilities. Utilized machine learning algorithms to analyze video feeds for security purposes, detecting people and objects.
- **Python Scripting:** Wrote Python scripts to interface with Blue Iris Software for automating employee attendance tracking, improving the accuracy and efficiency of the process.

### Software Intern, AIM Lab, NUCES FAST, Islamabad, Pakistan

07/2022 - 09/2022

- Designed and developed a prototype for DocExpress, an institute-specific document handling and tracking system.
- Implemented the prototype using the MERN stack (MongoDB, Express.js, React, Node.js) for a robust solution.
- Development of a user-friendly and efficient platform for streamlined document management in the institute.

### Database Intern, CDigital, Rawalpindi, Pakistan

07/2022-09/2022

- **Database Management:** Managed and optimized databases using MySQL on PHPMyAdmin, ensuring data integrity and performance.
- **Web Development:** Developed basic web applications using HTML, CSS, and PHP, contributing to both front-end and back-end development.
- **App Testing and Validation:** Conducted thorough testing and validation of applications of the organization to ensure they met quality and performance standards and requirements of the clients.

## ACADEMIC EXPERIENCE

### Co-Lead, Google Developers Student Club PAF-IAST

2023-2024

- Conducted multiple events and workshops including "Ibteda", "What the block?", "What the Git?" etc. Attended multiple GDG events like DevFest Islamabad, DevFest GIKI and DevFest Fast Lahore.

## PROJECTS

### Retrieval Augmented Generation - An Intelligent Agent

11/2023-ongoing

- Retrieval Augmented Generation for QA using Knowledge Graphs in **Python** through NLP with LLM of Gemini
- Use of python libraries to perform web scraping and text extraction from PDFs to build knowledge graph in Neo4j

### Textracto - Video Transcriber

05/2023-07/2023

- Transcribing videos, translation, keyword extraction, and text summarization in **Python**

### TMS - Transport Management System

05/2023-07/2023

- Using React JS, MongoDB Atlas, and Python Flask to allow users to book seats in the transport management system

### DocExpress - Document Tracking System

07/2022-09/2022

- Document Handling System using MERN stack (MongoDB, Express.js, React, Node.js)

### VehiGeek - Car Rental App

03/2022-05/2022

- Desktop app using C# .Net for a car rental system with MS SQL server for database

### RF-INTRY - Entry System Using RFID Cards

04/2022-06/2022

- Designed and deployed a prototype of an RFID card-based gate entry system using **C# .NET and SQL Server**

## AWARDS

Dean's Honor List

2022-2023

2nd Place AWKUM Innovation Summit

2022