Affaaf Mudassir

Full Stack Software Developer

Snoqualmie, WA | https://affaafm.github.io/Portfolio/ | 425-753-2423 | affaafamin@hotmail.com

SUMMARY

Purpose-driven software engineer with a solid foundation in full-stack development, AI programming, and hands-on experience using JavaScript, Python, React, and Firebase. Transitioning from a Montessori leadership role, brings a unique, human-centered approach to technology, rooted in empathy, rapid learning, and user-first design. Background in education fosters a collaborative problem-solver and effective communicator who thrives in dynamic, team-oriented environments. Built multiple coding and AI projects, enhanced user engagement on an educational app, and improved classroom outcomes through data-informed tools. Passionate about building inclusive, impactful technology and creating spaces where learning, innovation, and purpose intersect.

WORK EXPERIENCE

MorningStar Montessori, Snoqualmie, WA
Lead - Early childhood (3-6 yrs)   Jan 2023 - present
Co-lead - Early childhood (3-6 years)   Sep 2019 - Nov 2020

- Led a classroom of 20+ students with the support of an aide, demonstrating team leadership and collaborative problem-solving, ensuring learning milestones were consistently achieved.

- Trained and mentored an assistant teacher, significantly enhancing their skill development, classroom management abilities, and contribution to team goals.

- Spearheaded curriculum design and rollout for multi-age classrooms, leveraging agile planning and adaptive learning strategies to meet diverse student needs.

- Introduced systems for student tracking and progress reporting, improving data-driven insights, parent communication, and intervention planning.

- Launched 2+ hands-on, cross-disciplinary projects per month (art, science, cooking), boosting engagement and encouraging creative problem-solving and experimentation.

Sammamish Montessori School, Redmond, WA
Teacher's Aide   Sep 2011- Feb 2016

- Provided operational support to the lead teacher, assisting with day-to-day classroom management, contributing to smoother workflows and timely task completion.

- Monitored and ensured safety for 20+ children during recess, applying situational awareness and risk mitigation strategies to maintain a safe play environment.

- Participated in the literacy and reading enrichment program, contributing to measurable improvements in student reading fluency and comprehension.

- Coordinated and executed special projects applying project planning, resource coordination, and creative problem-solving to deliver meaningful experiences.

Gulfnet Limited, Islamabad, Pakistan   Nov'00 – Feb'04
Senior Software Engineer

@pex ERP Financials Suite & Libress Library Management System

- Spearheaded analysis, design, and development for core modules in Pakistan's flagship ERP suite and Libress, a library management system later commercialized by Gulfnet.

- Led front-end development using Oracle Forms Developer 6, enhancing usability and delivering enterprise-grade workflows for finance and library management.

- Collaborated on team-wide code quality by generating and executing test cases, reducing post-deployment issues and improving system reliability.

PROJECTS

- **Montessori Lessons Recommender** | *Python, Flask, SQLite, JavaScript*
 Developed a full-stack web app to recommend age-appropriate Montessori lessons based on child progress, featuring dynamic forms and lesson breakdown; streamlined lesson planning for educators.

- **Travel Reminder Automation** | *n8n, Automation*
 Built an n8n workflow to automate personalized travel reminders with destination-specific tips; scalable to include weather, local events, and used for 50+ automated notifications.

- **NotesTaker – Voice Recorder** | *Python, Flask, JavaScript, Web Audio API*
 Created a web tool for teachers to record, transcribe, and save voice notes linked to student profiles, improving observation documentation and retrieval across 20+ student profiles.

- **Child Screening Tool** | *JavaScript*

 Designed an early screening checklist tool to help educators identify developmental needs in children aged 3–6, enabling data-driven discussions with parents and improving personalized support.

EDUCATION

- AMS Montessori Certification Chestnut Montessori School Teacher Education, Bellevue, WA June 2020
- M.Sc. Computer Science   Quaid-i-Azam University, Pakistan Jun 2001
- B.Sc. Math, Statistics, Physics   Punjab University, Pakistan   Jun 1999

COURSES/CERTIFICATIONS

- AI Agent Developer
- Introduction to HTML5
- Generative AI: Prompt Engineering Basics
- OpenAI GPTs: Creating Your Own Custom AI Assistants
- Prompt Engineering for ChatGPT
- Python for Everybody
- Mcte Montessori Lead Certification
- MCP 70-229 - MSCE SQL server 2000 and Data Implementation
- MCP 70-461 - Querying MS SQL 2012

SKILLS

Programming Languages: JavaScript, Python, HTML, CSS, SQL, SQL Server 2000, Oracle 8/8i, Developer Forms 6/6i and Reports 6/6i

AI Tools - n8n, ChatGPT,

Frameworks: React, Flask, Node js

Tools: Git, GitHub, VS Code, ERWIN 3.5