

## Affaaf Mudassir

### Full Stack Software Developer

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

## SUMMARY

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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

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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.

Samamish 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  
Senior Software Engineer

Nov'00 – Feb'04

#### @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.
- Delivered successful client implementations and commercial rollouts, working cross-functionally to deploy, configure, and optimize solutions in live environments.

## PROJECTS

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- **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, Node.js, 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

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- 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

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- 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

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**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

**Project Management:** Figma, Jira, Trello