

# Mahreen Ahmed

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## Education

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### University of Sargodha

Bachelors of Science in Software Engineering

CGPA: 3.28/4.0

Sargodha, Pakistan

2018 – 2022

### Federal Board of Intermediate and Secondary Education

F.Sc. (Pre Engineering)

Marks: 818/1100

Sargodha, Pakistan

August 2016 – June 2018

### Iqra Grammar School

Matriculation (Biology)

Marks: 921/1050

Sargodha, Pakistan

April 2014 – May 2016

## Experiences :

**Frontend Developer (SpotGame) ---- (9 months experience)**

**Software Engineer (Gosign GmbH) ---- (3.8 years experience)**

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## Gosign GmbH:

### AI Agentic Developer | Independent Projects

#### Current

- Designed and deployed AI-powered autonomous agents using LangChain, OpenAI, and vector databases (e.g., Pinecone, Chroma).
- Developed multi-agent systems capable of task planning, memory retention, tool usage (web scraping, search, code execution), and reasoning.
- Integrated agent workflows into full-stack applications with n8n automation, browser automation via Playwright, and custom APIs.

**Key Technologies: Python, LangChain, OpenAI (GPT-4o), n8n, microsoft copilot(workflows) , Playwright, ChromaDB, Pinecone, REST APIs**

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### Frontend Developer | WordPress Plugin Developer

#### Aug 2024

- Spearheaded the design and development of custom WordPress plugins to extend website functionality.
- Focused on enhancing performance, user experience, and security through scalable and efficient code.
- Collaborated with cross-functional teams to deliver business-specific plugin solutions.

**Key Skills: HTML, CSS, JavaScript,php, WordPress Plugin Development**

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### Frontend Developer | TYPO3 CMS Developer

#### Oct 2022 – Jul 2024

- Specialized in frontend development using TYPO3 CMS and its extensions.
- Developed responsive user interfaces, customized TYPO3 templates, and optimized website performance.
- Prioritized accessibility, SEO compliance, and seamless user interaction across devices.

**Key Skills: HTML, CSS, JavaScript, Php, TYPO3 CMS, Responsive Design, SEO, Accessibility**

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**Summer Intern****Jul 2022 – Oct 2022 (4 mos)**

- Completed a 4-month internship focused on frontend development best practices.
- Gained hands-on experience in HTML, CSS, and basic CMS customization.
- Supported the development team with UI/UX tasks and minor bug fixes.

**Projects**

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**Named Entity Recognition (ML FYP) — Aug 2021 – Jun 2022**

Trained a model to annotate recipe attributes using millions of data points.

**Research Analyst (Recipe Engineering) — Feb 2022**

Conducted research for automated recipe generation using ML.

**Food Saver App (Android) — Aug 2021**

Android app to help distribute leftover food at discounted or free rates.

**Blogging Website (ASP.NET / C#) — Feb 2021**

Built a feature-rich blogging site with user authentication and post management.

**Achievements & Certifications**

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- **Microsoft Word 2013 Certified**
- **Superposition Hackathon (Toronto, Canada)** — Created 'CatchUp!', a portal that connects students planning to study abroad.