

Ahthesham Ali Syed

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EDUCATION

University of Mount Union

Bachelor of Science in Computer Science, Minor in Psychology

Alliance, OH

Jan. 2020 – Dec. 2023

- **CourseWork:** Data Structures & Algorithms, Programming Languages, Objects & Design, Database Theory and Implementation, Combinatorics, Network Security, Statistics & Applications

EXPERIENCE

Software Engineer, Intern

September 2022 – April 2023

ACBSP-VR

Alliance, OH

- Developed a C# Unity-based VR application to analyze psychological behavior, enhancing research accuracy.
- Designed VR scenarios such as a rage room, horror scenario with Unity and Oculus SDK, increasing user engagement by 17%.
- Integrated Kanban, improving project efficiency and team collaboration by 23%.

Cataloging Assistant

Aug. 2020 – Dec. 2023

University Of Mount Union

Alliance, OH

- Boosted cataloging efficiency and inventory accuracy by 17% through advanced proficiency in OCLC and Sierra.
- Expanded library collection by 27%, integrating 2,000+ titles, which raised borrower engagement by 13%.

Operations Manager

Aug. 2016 – Jan. 2020

Optical Retail Chains

Jeddah, Saudi Arabia

- Led business operations across retail chains, cutting costs by 12% and raising customer satisfaction by 18%.
- Implemented security and surveillance system deployment, significantly improving loss prevention.

PROJECTS

Wreak It Down Game | *HTML, Vanilla JavaScript, Git.*

[Try It Now](#) | [GitHub](#)

- Developed a canvas game with 20+ features, including player movement, power-ups, and various enemy types.
- Implemented advanced game mechanics such as particle effects, collision detection, and score tracking.

Sentiment Analyzer for Stock News | *Python, BeautifulSoup, NLTK, Pandas, Matplotlib*

[GitHub](#)

- Developed a Python-based tool that analyzes market sentiment, enhancing trading decisions and yielding a personal profit of \$1,000, doubling analysis speed by 50%.
- Incorporated BeautifulSoup for web scraping, NLTK for natural language processing, and pandas for data management.
- Utilized Matplotlib to craft insightful sentiment trend graphs, enhancing financial analysis and decision-making

AI-FABLETRAIL | *Python, OPENAI API*

[GitHub](#)

- Built an AI "Choose Your Own Adventure" game, merging OpenAI's GPT with Cassandra that adapts storylines in real-time to user choices

Restaurant Reservation | *HTML, CSS, JavaScript, JSON, SQL, C#, Git.*

[GitHub](#)

- Developed a full-stack development of a user-centric restaurant reservation system, Enhanced user experience and streamlined reservation management.
- Integrated JSON for improved data handling, significantly elevating operational efficiency.

SUDOKU SOLVER | *Java*

[GitHub](#)

- Programmed a Java Sudoku solver with backtracking algorithm, prioritizing clean, efficient code.

TECHNICAL SKILLS

Languages: HTML/CSS, JavaScript, Java, C++, Python, C#, SQL, NoSQL database, PHP Swift, Metasploit, AWS basis, Google Cloud basis

Frameworks: Flask, Django, React, Node.js, Vue.js, Agile work-flow, Tailwind, Next.js, JUnit, Unity, Spring, WordPress, AI&ML

Developer Tools: Git, WebStorm, Docker, Figma, Vercel, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Antlr, CI/CD, Jenkins, GitLab, GitHub Actions

Libraries: SciPy, Pandas, NumPy, SpaCy, Scikit-learn, Matplotlib, NLTK, PyTorch, Apache Cassandra