

Saif Mahmud

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EDUCATION

UNIVERSITY OF MANITOBA

BSc Major in Computer Science

Graduated, October 2023

RELEVANT COURSES

Software Engineering (Java | Unit Testing)

Data Structures and Algorithms (Java)

Distributed Computing (Python)

AI and Game Development (Java | Python)

SKILLS

Programming Languages:

Java • Python • C++ • C • R

Frontend Development:

HTML • CSS • JavaScript • Vue.js • React

Soft Skills:

Teamwork • Adaptability •

Communication • Problem Solving •

Critical Thinking

Cloud Computing:

AWS Sagemaker • Google Vertex AI •

AWS Bedrock

AI:

Multiagent Systems • RAG (Retrieval

Augmented Generation) • A* Search

Algorithm • AI Decision-Making •

LangChain

There is no volunteer information provided in the context.

REFERENCES

ABU KABIR

Director, IT Service Management

Microsoft Corporation

204-298-3693

CAREER OBJECTIVE

Driven and enthusiastic Junior Java Software Engineer seeking to contribute to CMiC's commitment to innovation in the construction industry, leveraging my technical proficiency and passion for delivering reliable solutions.

EXPERIENCE

ATS PASS AI | Python | AI | RAG Search | CrewAI

Resume Automation Tool - Jan 2024 - Present

Developed an AI-powered resume builder application leveraging **Agile Development** methodologies

- Developed an AI-powered resume builder application leveraging Gemini Pro, LangChain, and RAG search for efficient data extraction and resume tailoring.
- Integrated a Multi-agent System using CrewAI to enhance user data processing and resume customization based on specific job descriptions.
- Achieved over 85% keyword matching with user-provided job descriptions, significantly improving resume effectiveness for Applicant Tracking Systems (ATS).
- See my [github repository](#).

AI PATHFINDING | Java | AI | A* | Git

AI PATHFINDING - Sep 2023 - Dec 2023

Developed an AI-powered game utilizing **Agile Development** and the A* algorithm.

- Developed an AI-powered game utilizing the A* algorithm for efficient pathfinding, creating a challenging and engaging user experience.
- Implemented prompt engineering techniques to optimize AI response times, resulting in a more seamless and responsive gameplay.
- Employed industry-standard version control practices using Git, ensuring code integrity and facilitating collaborative development.
- See my [github repository](#).