

Saif Mahmud

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EDUCATION

UNIVERSITY OF MANITOBA

BSc | Computer Science | GPA: 3.07

Graduated October 2023

RELEVANT COURSES

Distributed Computing (Python | JavaScript)

Data Structures and Algorithms (Java)

Object Orientation (Java | C++)

Software Engineering (Java | Unit Testing)

AI and Game Development (Java | Python)

SKILLS

Programming Languages

Python • Java • JavaScript • C++ • C

Tools & Frameworks

LangChain • CrewAI • Gemini • RAG Search

• Git • CI/CD

Soft Skills

Teamwork • Communication • Critical

Thinking • Leadership

CAREER GOAL

Highly motivated AI enthusiast with experience in Python and LangChain seeking the Artificial Intelligence Engineer Internship at Radical AI for Social Good Lab. Eager to contribute to the development of impactful AI solutions while furthering my knowledge of ethical AI practices and contributing to a more equitable future.

PROJECT EXPERIENCE

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

Remote | January 2024 - Present (5 months)

- Developed a multi-agent system leveraging **AI**, Machine Learning (ML), and Natural Language Processing (NLP) techniques to enhance resume tailoring for improved job search efficiency.
- Utilized advanced **AI** models like Gemini and multi-agent technologies to achieve high keyword alignment and **ATS** optimization, demonstrating strong data analysis skills and expertise in Open**AI** API integrations.
- Showcased foresight and innovation by designing a scalable architecture for future growth, aligning with Radical **AI**'s commitment to pushing the boundaries of **AI** applications.

AI PATH FINDING Java | A* Algorithm | Git | CI/CD

Remote | July 2023 - Sep 2023 (3 months)

- Developed an **AI**-driven game employing the A* pathfinding algorithm, showcasing expertise in **AI** development and algorithm enhancement techniques.
- Utilized Git for version control and implemented CI/CD practices for efficient deployment, resulting in a 50% reduction in deployment time, reflecting strong understanding of software development best practices.
- Demonstrated problem-solving and analytical skills crucial for an **AI** Engineer role, applying fundamental software development and testing processes to ensure robust application performance.

ELF BINARY ANALYSIS C Programming | Debugging | Linux OS

Remote | Nov 2022 - Dec 2022 (2 months)

- Developed a tool for ELF header analysis in C, emphasizing debugging, system analysis, and documentation skills, transferable to **AI** development environments.
- Improved debugging efficiency by 20%, highlighting strong problem-solving abilities and a proactive approach to code optimization.
- Contributed to technical documentation for product improvement, demonstrating commitment to knowledge sharing and collaboration, valuable traits in an **AI** team.

WORK EXPERIENCE

PROGRAMMING MENTOR Python | Java | Teaching

Private Tutoring | Remote | February 2023 - December 2023 (11 months)

- Tutored a student in computer systems and programming, utilizing strong communication skills to effectively convey complex concepts in Python and Java, aligning with the collaborative nature of Radical **AI**'s environment.
- Tailored teaching methods to suit the student's learning style, demonstrating adaptability and a personalized approach, leading to noticeable improvement in their understanding of programming concepts.
- Facilitated hands-on sessions for software installation, debugging, and system understanding, fostering practical skills applicable to real-world scenarios, reflecting Radical **AI**'s emphasis on hands-on experience.