Saif Mahmud

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EDUCATION

UNIVERSITY OF MANITOBA
Computer Science | GPA: 3.07
Graduated October 2023

RELEVANT COURSES

Distributed Computing (Python | JavaScript)

SKILLS

Technical Skills
Python • Java • C++ • C • Vue.js
Jekyll • OpenGL • LangChain • CrewAI •
Docker
Git • CI/CD • Gemini • Gemini Pro • RAG
Search
Markdown • Blockchain • Smart Contracts

Soft Skills
Communication • Teamwork •
Problem-Solving • Critical Thinking • Data
Analysis
Algorithm Development • Model
Development • AI Virtual Agent Development

REFERENCES

ABU KABIR
Director IT Service Management|
Microsoft | 204-298-3693
SAFIUR MAHDI
Java Developer | Skip the Dishes |
204-583-3432

CAREER GOAL

Driven Artificial Intelligence Engineer seeking to leverage expertise in AI,
multi-agent systems, and NLP at Radical AI for Social Good Lab. Proven
ability to develop and implement innovative solutions to promote
equitable progress.

PROJECT EXPERIENCE

ATS PASS AI Python | RAG Search | Multiagent AI
[City, State] | January 2024 - Present

- Developed a multi-agent system with CrewAI, LangChain, Gemini, and RAG
  Search to create tailored resumes to enhance job search efficiency.
- Utilized advanced AI models and multi-agent technologies to dynamically
  personalize resumes.
- Engineered a system that extracts user data and analyzes job descriptions
  with advanced AI tools like Gemini Pro and RAG Search, achieving over
  85% keyword alignment and optimizing resumes for ATS.
- Showcased proactive initiative and innovation by identifying a real-world
  problem and developing a radical solution using cutting-edge AI
  technologies.

BLOCKCHAIN CAR MILEAGE TRACKER Blockchain | Docker |
Vue.js
[City, State] | January 2023 - March 2023

- Designed and developed a blockchain solution to securely track and verify
  vehicle mileage for insurance purposes.
- Created smart contracts to ensure tamper-proof mileage recording,
  enhancing trust and transparency in vehicle history.
- Collaborated effectively within a team to design, develop, and test the
  application.
- Showcased initiative and problem-solving abilities by identifying a
  real-world problem and leveraging blockchain technology to provide a
  solution.

AI PATH FINDING Java | Git | CI/CD
[City, State] | July 2023 - September 2023

- Developed a Java-based game using the A* algorithm for AI-driven game
  functionalities.
- Incorporated Git for version control, ensuring efficient team collaboration
  and code management.
- Utilized CI/CD practices, resulting in a 50% reduction in deployment time.
- Applied fundamental software development and testing processes to
  ensure robust application performance.

RECURSIVE RAY TRACING OpenGL | C++
[City, State] | May 2023 - July 2023

- Developed a 3D graphics application using OpenGL and ray tracing
  techniques.
- Applied geometry and mathematical concepts to calculate light paths and
  surface interactions.
- Created a visually stunning and immersive 3D environment using advanced
  graphics techniques.
- Demonstrated the ability to independently research, learn, and apply
  complex concepts in the field of 3D graphics programming.

BANK ACCOUNT SYSTEM Java | File I/O
[City, State] | Unavailable

- Designed and implemented a Java-based bank account system.
- Developed scalable Java applications.
- Optimized process efficiency by 30%.
- Utilized polymorphism and inheritance to create a flexible and extensible