MD. MAJIDUL ISLAM

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Overview:

Skilled **AI Engineer & MLOps** Expert with expertise in **Python**, **FastAPI** and **cloud-based AI** solutions and **Automation**. Strong background in **AI development, DevOps, Automation and software engineering** with a proven track record of successfully integrating **Azure Cognitive Services, MongoDB and CrewAI** to enhance conversational AI capabilities. Also **Project management** in **monday.com, Jira** with Automation with **Make** and **Zapier**.

Professional Experience:

AI Programmer Data (Software Development)
Sysnova Information Systems Limited - *Dhaka, Bangladesh*
15/03/2025 – current

- **Data Driven AI Solutions:** Built and optimized data driven AI solution with backend
- **Create and Implement AI Backend:** Create and Implement **FastAPI** backend for AI tools
- **Agentic AI Solution :** Creating and Providing **Agentic AI** solution
- **Agentic AI and AI Agents Automation Integration :** In various use cases providing automation and RPA solutions for Agentic AI and AI Agents.
- **Working with Big Data :** Processing big Data with the help of AI

Software Engineer (Artificial Intelligence)
TulipTech Limited - *Dhaka, Bangladesh*
24/10/2022 – 14/03/2025

- **Developed & Deployed AI Solutions:** Built and optimized AI-driven applications using Python, FastAPI, and MLOps methodologies.
- **Implemented Pipelines:** Designed and automated ML model deployment workflows for scalability and efficiency.
- **DevOps & Cloud Integration:** Managed Azure-based AI services, optimizing cloud infrastructure for AI applications.
- **Conversational AI Development:** Integrated Azure Cognitive Services, MongoDB, and CrewAI to enhance chatbot and voice AI capabilities.
- **Database Management & API Development:** Designed and maintained high-performance APIs and managed MongoDB-based data storage.
- **Project Coordination:** Assisted in project planning, DevOps management, and team coordination for smooth execution.
- **Automation :** Create and manage Automation to boost Business and SDLC process

Officer Cadet – Bangladesh Navy
Bangladesh Naval Academy - *Patenga, Chattogram*
24/12/2016 - 09/3/2018

- **Leadership & Discipline:** Underwent rigorous military training, developing strong leadership, teamwork, and decision-making skills.
- **Maritime & Tactical Training:** Gained hands-on experience in naval operations, navigation, and combat strategies.

- **Strategic Planning & Crisis Management:** Trained in high-pressure scenarios, fostering the ability to make quick, strategic decisions.
- **Technical & Weaponry Knowledge:** Acquired foundational expertise in maritime technology, weapon systems, and naval engineering.
- **Ethics & Professionalism:** Upheld the core values of discipline, integrity, and service to the nation.

Projects:

- **NHS Medicine Parser(Automation):** Developed a system to parse and extract critical information from NHS medical records, improving data accessibility and streamlining healthcare operations.
- **DMD+D Medicine AI Processor:** Created an AI-powered tool for processing and analyzing drug data, helping to optimize pharmaceutical workflows and ensure accurate medication management.
- **Care Home Care Plan and Care AI Agents:** Designed an AI-driven care plan system tailored to individual patient needs in care homes alongside AI agents for providing personalized care recommendations and monitoring.
- **Project Management: (***monday.com, Atlassian Jira***)**
  Project management

Training and Certifications:

- Project Management Admin – monday.com
- Industrial Data Science and Machine Learning – Hr Venture
- Make.com ([My badges](#))
- Cyber Security and Ethical Hacking – Arena Web Security

Skills:

Programming Language	C, Java, Python (AI, Data Science,FastAPI), JavaScript
Database	MySQL, MongoDB, PostgreSQL
Machine Learning and Deep Learning Framework	PyTorch, TensorFlow, Keras, Scikit-Learn
Version Control and DevOps	GitHub, Jenkins, Docker, CI/CD,
Cloud Computing	Azure, AWS
Artificial Intelligence	LLM, Generative AI, Chatbot, AI Agents
Operating System	Linux, Mac, Windows
Automation Tools	make.com , Zapier

Education:

- **BSc in Computer Science and Engineering – 2022,** *Southeast University, Dhaka, Bangladesh*
  CGPA: 3.66 out of 4.00

- **Higher Secondary Certificate -2016,** *Adamjee Cantonment College, Dhaka* **GPA: 5.0 out of 5.0**

- **Secondary School Certificate – 2014,** *Muslim Modern Academy, Dhaka* **GPA: 5.0 out of 5.0**

Research:

- **Internet Banking Cyber Security in Bangladesh –** *Publication: IEEE SEM Vol -12, 2024*
- **Multi Factor Authentication Kerberos**