MUHAMMAD ABBAS

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# OBJECTIVE

I am a **experience** software engineer and AI enthusiast with a **proven and tested past record** of system enhancement, skilled in machine learning, full-stack web development, and data analysis and design. Seeking to leverage expertise in Python, Type-Script, and modern AI/ML frameworks to design scalable solutions, optimize system performance, and drive data-informed decision-making within a modern and flexible tech organization

# EDUCATION

**Bachelor of Science in Artificial Intelligence**

FAST National University, Karachi, Pakistan

*September 2023 - Present*

* **Awards & Achievements**: Deans list in 2 semesters
* **Relevant Coursework**: Machine Learning, Deep Learning, Data Structures, Algorithm Design, Database Systems and Knowledge representation and reasoning

**A levels**

Cedar College, Karachi, Pakistan

August 2020 - 2022

* **Awards & Achievements**: 1st position in Intra college coding event SCCINOVA
* **Relevant Coursework**: Computer Science course

# TECHNICAL SKILLS

**Programming Languages:** Python, Type-Script, JavaScript, HTML, CSS, C, C++

## Frontend Technologies: React, Node.js

**Backend Technologies:** Express.js, Node.js, Mongo DB

**AI/ML Frameworks:** Model Context Protocol, Agentic AI, **LLM Engineering**

Database Technologies: SQl

PROFESSIONAL EXPERIENCE

## Front-End Intern

**E-ocean Systems** | Internship (Onsite)

Date: July 1 - August 1, 2024

* Utilized modern front end frameworks like react and node to create vibrant UIs for the company products
* Wire-framed the designs for approval for Interface purposes

## AI Intern

**National Incubation Center (NIC)** | *Internship (On-site) Date: June 15 - August 15, 2025*

* Enriched **entrepreneurial journey** by working extensively with JSON files for data processing
* Orchestrated **agentic AI system design patterns** to streamline workflow automation
* Explored and implemented various AI frameworks including Langchain and Crew AI agents
* Contributed to the development of **model context protocol** implementations

# PROJECTS

## AI Projects

*Technologies: Python, Machine Learning, Data Analysis*

* **Stock markets risk assessment models**: Developed predictive models and achieved high accuracy rates
* **Universe Carrier Chat-bot**: Created startup-friendly conversational AI assistant using NLP techniques
* **Automated Web Research Agent**: Built MCP-powered financial analyst tool for automated market research

**Executive, Team Marketing — NUCES ACM Student Chapter (2024–25)**

Promoted ACM activities through digital marketing campaigns and social media engagement.

Collaborated with a team of executives to plan events and workshops for 500+ students.

# REFERENCES

* **National Incubation Center (NIC) :** [View reference](https://docs.google.com/document/d/18an9PwBW56miu3gxV1WdP3XMM0n37SAh/edit?usp=sharing&ouid=114070859874615076782&rtpof=true&sd=true)