

# Mian Ahmad Hassan

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## Professional Summary

I am an experienced computer science undergraduate student in the 8th semester, backed by academic excellence including a gold medal, Dean's List recognition, and scholarships. I'm particularly intrigued by the advancements in **Generative AI** and eager to explore its potential applications. Seeking a dynamic role where I can continuously evolve and contribute to innovative projects.

## Education

**FAST National University of Computer & Emerging Science, B.S Computer Science** Sep, 2021 - Ongoing  
**GPA: 3.89**

**Relevant Coursework:** Object Oriented Programming (OOP), Data Structures and Algorithm, Operating System, Software Design and Analysis, Database Systems, Web Programming, Artificial Intelligence, Machine Learning

## Skills

**Programming & Development:** JavaScript, Node.js, React.js, Next.js, Express.js, MongoDB, SQL, MySQL

**Software Engineering:** MVC Architecture, Software Design, Requirement Specification, Testing

**AI & Data Science:** Machine Learning, Data Mining, Feature Engineering, Model Evaluation

**Tools & Version Control:** Git, Fast API, AJAX

## Work Experience

### Teaching Assistant - Data Structures (6 Months)

**FAST NUCES**

Sept, 2022 – Feb, 2023

- Assisted students in understanding complex data structure concepts, reinforcing my own understanding and strengthening my grasp on data structures.
- Through teaching and guiding others, I deepened my knowledge of data structures and enhanced my problem-solving skills, contributing to a more comprehensive understanding of the subject.

### FAST NUCES Admission Cell Interns (3 Months)

**FAST NUCES**

June, 2022 – Aug, 2022

- Acquired hands-on experience in meticulously organizing and managing admission documentation, ensuring accuracy and efficiency in the process.
- Developed strong attention to detail and organizational skills through the systematic handling of admission documents, contributing to a smooth and streamlined admission procedure.

## Selected Projects ([github.com/ahmadhassan90](https://github.com/ahmadhassan90))

### Text to Floor Plan Generation (2D and 3D)

**(Currently Working)**

- Led the development of a system that converts user prompts into 2D and 3D floor plans, integrating both frontend and backend components for seamless user interaction and automation.

### Inventory Management System

**Fall 2023**

- Spearheaded the creation of an Inventory Management System, streamlining product tracking, inventory management, and sales data analysis for businesses.

### Pak Railway Platform Website

**Fall 2024**

- Developed a web-based system for Pak Railway, utilizing Node.js and MongoDB for backend functionality and HTML, CSS for frontend design, ensuring seamless user experience and efficient data management.

## Awards & Honor

FAST NUCES	<b>Gold Medal for Fall 2023</b>	2021-2024
	<b>Silver Medal for Fall 2022, Spring 2024</b>	
	<b>Bronze Medal for Fall 2021, Spring 2023</b>	
FAST NUCES	<b>6 Dean's List (Fall-2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023)</b>	
Superior College	<b>Distinction Award for Science and Engineering</b>	2018

## Hobbies and Interests

- Tech Exploration
- Current Affairs
- Gaming