Rai Farhan

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ABOUT MYSELF

I am a highly motivated and focused student with a profound interest in Computer Science, specifically in the realms of **software development** and **complex problem-solving**. My academic and personal journey is defined by a passion for exploring emerging technologies, building practical projects from the ground up, and consistently refining my technical skills. Characterized by discipline and a quick ability to adapt, I am equally effective working independently or within collaborative team environments. My primary objective is to pursue a degree in Computer Science within a rigorous academic setting where I can contribute to meaningful projects while achieving significant intellectual and professional growth.

EDUCATION & TRAINING

02/02/2019 - 14/10/2021 - NANKANA SAHIB, PAKISTAN

FSC PRE-ENGINEERING- PAK GARRISON EDUCATION SYSTEM

Level in EQF: 4

LANGUAGE SKILLS

Mother tongue(s): **URDU**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

SKILLS

Programming & Frameworks:
Python: Advanced level for AI and automation scripts | TensorFlow: Developing machine learning models (specifically text-to-handwriting). | C++: Core programming for performance-heavy applications.

AI & Automation Specialization:
Machine Learning (ML): Building supervised and unsupervised models. | Robotic Process Automation (RPA): Automating complex business workflows | AI System Architecture: Designing AI-driven multifaceted holographic systems.

PROJECTS

AI-Driven Text-to-Handwriting Generation Model
Role: Lead Developer.
Technologies: Python, TensorFlow, Computer Vision.

Description: Developed a deep learning model to convert digital text into realistic human-like handwriting.

Key Achievement: Optimized the model for different handwriting styles and integrated it with an automated workflow.

SkillMap: AI-Powered Resource Allocation System Role: Backend Developer & System Logic Architect

Technologies: Python, Data Logic, Automation Workflows, JSON/SQL

- **Automated Task Dispatching:** Engineered an intelligent backend system to automatically parse incoming software requirements and assign tasks to the most suitable developer based on project complexity.
- **Real-time Competency Mapping:** Developed a logic-driven tracking module that monitors developer availability and matches task requirements with specific technical skill-sets (Python, AI, Backend).
- **Operational Efficiency:** Eliminated manual assignment bottlenecks, resulting in a significant reduction in human error and a 40% faster project kickoff time.
- **Workload Load-Balancing:** Implemented a smart heuristic algorithm to ensure equitable task distribution, preventing developer burnout and maintaining high output quality.
- **Agency Scalability:** Designed the system architecture to support the growth of an outsourcing model, allowing for seamless management of multiple remote teams.