Muhammad Subhan Khan

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EDUCATION

NED University of Engineering & Technology, Karachi — CGPA - 3.74
Bachelor in Computer Science & IT, Major in Artificial Intelligence — *Aug 2023 – Aug 2027*

EXPERIENCE

Software Developer Intern — Dec 2024 – Present
Engineer Abdul Kalam Library, NEDUET

- Scraped over **20,000 book records** from **Amazon**, **Thrift Books**, and **Google Books** using **Python web scraping** and **HTML parsing** techniques
- Cleaned, organized, and analyzed **large-scale datasets** to support a **library recommendation system** using **data preprocessing** and **Python-based ETL** techniques
- Generated **AI-powered thumbnails** for missing book images using **Python automation** and **image generation models**
- Built a responsive user interface using **React.js**, **TypeScript**, **Tailwind CSS**, **Radix UI**, and **ShadCN** to enhance user experience and accessibility

PROJECTS

SolveSenseAI | *Node.js, Material UI, React.js, MongoDB* — View Project

- Developed a full-stack **AI web application** using the **LLaMA 3.1-8B model** for generating real-time AI responses
- Implemented a **secure authentication flow** including sign-in, session handling, AI interaction, and logout functionality

Words Searching Game | *C* — View Project

- Implemented a **secure authentication system** with user records stored in **text files** using the **C programming language**
- Maintained a **real-time scoreboard** that updates dynamically throughout **game rounds** to track performance
- Developed a **dynamic alphabets board** that refreshes based on **player interactions** to enhance user engagement and experience

ACHIEVEMENTS

- Secured **1st place** in **Koderz Kombat** at the **CSIT Department**, amongst all 4-year students
- **Runners-up** in **Hack Fusion** hosted by **IEEE PES NEDUET**
- Achieved **5th place** in Speed Debugging and **4th place** in Hackathon at **Sir Syed University**, and **4th place** in Speed Debugging at **IBA University**
- Secured **4th place** out of 60 teams in **FixFast** at **FAST University**

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (MySQL, Oracle), JavaScript, HTML/CSS, PHP, TypeScript
Frameworks: React.js, Node.js, Express.js
AI & Machine Leaning: Llama
Tools & Technologies: Git, Material-UI, ShadCN UI, Tailwind CSS, Radix UI, Bootstrap, Lucid React, VS Code
Libraries: NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn
Others: Object Oriented Programming, Data Structures Algorithms & Applications, Database Management System (Relational & Non-Relational Databases)