

NAYAB KHUSHIK

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AI Enthusiast | Frontend Developer | Graphic Designer

Summary

Computer Systems Engineering Graduate with a strong foundation in AI-based applications, Frontend Development, and Graphic Design. Experienced in building responsive user interfaces, creating clean visual designs, and developing AI-powered web apps using Python and Streamlit. Adept at combining technical problem-solving with UI/UX and visual storytelling.

Skills

AI & Python: Python, TensorFlow/Keras, NumPy, Pandas, OpenCV, Streamlit, API Integration, Gradio

Programming & Web: HTML5, CSS3, JavaScript (Basics), Bootstrap, Responsive Design

Design & UI: UI/UX Principles, Graphic Design, Branding, Typography, Color Theory, Layout Design

Tools: GitHub, VS Code, Google Colab, Figma (Basic), Adobe Illustrator, Canva, Google Lighthouse, hugging face

Experience

Front-End Developer Intern – Code Alpha (Remote)

- Developed responsive UI components using HTML, CSS, and JavaScript.
- Improved layout consistency and usability for demo applications.

Web Developer Intern – Pakistan Engineers Forum (PEF), MUET (Remote)

- Built and optimized responsive web pages.
- Improved performance using Google Lighthouse and GitHub workflows.

Software Intern – GCS (Pvt.) Ltd, Karachi

- Assisted in documentation, testing, and team coordination.
- Identified basic software issues and supported reporting.

Graphic Design Lead – Codrenza (Startup)

- Designed branding assets and social media visuals.
- Ensured visual consistency and improved post engagement.

Projects

- **Non-Invasive Blood Pressure Prediction Using ConvLSTM (FYP)** – Python, TensorFlow, Keras, OpenCV
Developed a deep learning model to estimate blood pressure from facial videos. Applied ConvLSTM to capture spatial-temporal features from video frames. Achieved 80%+ accuracy on a dataset of 53 videos.
- **Hotel Management Website** – HTML, CSS, JavaScript, Bootstrap, PHP
Developed a responsive hotel management website with booking functionality, form validation, and a Bootstrap-based UI for consistent, mobile-friendly design.
- **AI Interview Questions Generator** – Python, Streamlit, Groq AI, Google colab
Created a Streamlit app that generates role-based technical and HR interview questions.
- **AI Expense Analyzer** – Python, Streamlit, Groq API
Developed an AI-powered expense tracking and visualization web app, deployed on Hugging Face.
- **Speech-to-Speech AI Assistant:** – Python, Streamlit, Groq LLM, Whisper, gTTS
Developed a voice-interactive AI assistant with speech recognition, LLM responses, and text-to-speech output.
- **AI Chatbot:** – Python, Streamlit, Groq API, LLM Integration
Built a real-time LLM-powered chatbot with Streamlit and Groq API.
- **AI Productivity Scheduler:** – Python, Greedy Algorithm
Optimized task execution order using greedy algorithm techniques.

Courses and Certifications

- **Graphic Designing – D3 Digital Dream Dynamo**
- **HTML Basics – Great Learning**
- **Packet Tracer & Networking Basics – Cisco**
- **Student Ambassador – ORIC MUET – NIC Hyderabad**
- **Use AI as a Creative or Expert Partner – Google Coursera**
- **Generative AI Course (Cohort-1) – HEC x NCEAC x PakAngels x iCodeGuru x ASPIRE Pakistan x ULEF USA**