KHUSHBAKHT KHAN
SOFTWARE ENGINEER

https://khushbakht-khan-portfolio.netlify.app/

PERSONAL INFO

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SKILLS:

- N8N, Zapier, Make.com
- Transformers (Hugging Face / OpenAI)
- LangChain
- NLP & LLMs
- React / Next.js
- Visualization (Power BI / Chart.js)
- FastAPI
- SQL / MongoDB
- Python

CERTIFICATIONS:

- Engineering Possibilities Programme - Unilever
- React Js Basic - Hacker Rank
- Python for Data Science, AI and Development - IBM
- Web Animation - GDSC / MLSA
- Python, Data Science and Machine Learning - AIC

PUBLICATIONS

- Role of Blockchain and NFTs in Industry 5.0
- Comparative Analysis of CNN and LSTM
- Image Caption Generator (Captionify)

EDUCATION

- **NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY, KARACHI**
  Bachelors in Software Engineering
  CGPA: 3.77 | (Nov'21-Jun '25)

- **ST. LAWRENCE GOVERNMENT DEGREE GIRLS COLLEGE, KARACHI**
  XII (HSC)
  95% | 2021

- **LITTLE FOLKS SCHOOL, KARACHI**
  X (SSC)
  85% | 2019

EXPERIENCE

- **Software Engineer at Iris Labs**
  Built React/Next.js frontends, FastAPI backends, and n8n workflows for AI projects, in collaboration with ML and backend teams.
  (Sept'23-June'25)

- **Full Stack developer Intern at NCAi**
  Contributed to the development of an Advanced Driver Monitoring System, integrating Firebase for real-time data management on the frontend.
  (Aug'23-Oct'23)

PROJECTS

- **Final Year Project: Agaahi - Ask, Analyze, Act**
  Built a no-code AI analytics platform for querying data via natural language or voice, featuring real-time insights, smart queries, dynamic dashboards, automated reports, and secure role-based access using LLMs.
  Tools: React Js, FastAPI, Langchain, Pandas/NumPy, AWS, ReCharts, PostgreSQL

- **AI Resilience: A Revolutionary Benchmarking Model for AI Safety**
  Developed a CNN-based model trained with FGSM adversarial examples to evaluate and enhance AI robustness against attacks
  Tools: PyTorch, Torchattacks, Adversarial Robustness Toolbox (ART), CIFAR-10, Matplotlib, NumPy.