

MUHAMMAD YASIN

Electrical Engineering Student — Circuits, Programs and designs.

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SUMMARY

Electrical engineering student with an unhealthy obsession with Circuits, Code and CAD models.

EDUCATION

Bachelor of Electrical Engineering — NUST, Islamabad

Sep 2025 – Expected 2029

SKILLS

Languages: Python, C++, JavaScript, SQL, HTML, CSS

Design & Simulation: MATLAB, LTspice, AutoCAD, Fusion 360

Cloud & APIs: Microsoft Azure, REST APIs

Dev Tools: Git, VS Code, MS Office

PROJECTS

Maze Path Finder — Personal Project

- Implemented Dijkstra's shortest-path algorithm to solve mazes optimally, visualizing the search and the resulting shortest route from start to end.

muhammad-yasin-portfolio.netlify.app/project.html?slug=maze-path-finder

Offline NUST Chatbot — Personal Project

- Built an offline AI chatbot for NUST-related queries using text embeddings and cosine similarity for semantic question matching, answering without internet access.

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Wind Farm Design & Energy Production Model — Personal Project

- Designed a 1 MW wind farm layout in AutoCAD, planning turbine placement and estimating energy output for efficient generation.

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