Talal Alturki

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EDUCATION

King Saud University   Riyadh, Saudi Arabia

College of Computer and Information Sciences   Graduation Date: May 2025

Bachelor's degree, Computer Engineering   GPA: 4.24/5

Course work: Embedded system, Data Communication & transmission, Engineering Design & Project Management, VLSI Design, Computer Architecture II, Design & analysis of algorithms.

Known tools: 3D Printing, MATLAB, Oscilloscope, Adobe illustrator, OPENsen, Wireshark

Languages: Java, C, Assembly

PROJECTS

King Saud University

Unmanned Surface Vehicle (USV) graduation project   *Sep 2024 - Present*

- Developing in advanced electronics lab (SAMI)
- Collaboration with PSDSARC
- Collision avoidance capabilities
- Real-time navigation and control

Transistor Level Matrix Multiplication

- Designed a 3x3 matrix multiplication in two levels
- Logic level using logic gates
- Transistor level design using cmos

Tuwaiq academy

Car proximity detection system using ultra sonic sensor

Wi-Fi AP proximity game using esp32

CAMPUS PARTICIPATIONS

Management Information Systems Club

Human Resources Associate   *Sep 2023 - Nov 2023*

- Finding solutions to lack of participation among club members
- Evaluating club activities
- Rating members contribution

COURSES AND CERTIFICATIONS

- Cisco Certified Network Associate (CCNA)
- IBM Programme in cybersequrity
- Tuwaiq Arduino course
- Saudi Federation for Cybersecurity, Programming and Drones Fundamental Drones Training Program

EXTRACURRICULAR ACTIVITIES

NAQL THON – Logistics & Transportation Hackathon

- Planned and brainstormed ideas to address transportation issues.
- Utilized AHP (Analytical Hierarchy Process) to objectively evaluate and select the best idea for implementation.
- Focused on team collaboration, ensuring tasks were divided and completed effectively

ROSHN HACKATHON

- Teamed with colleagues to brainstorm innovative ideas and evaluate feasibility.
- Applied critical thinking to analyze challenges and present solutions.
- Effectively discussed, refined, and selected ideas for the final presentation.