

Rana Faisal Alotaibi

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 [Rana Alotaibi](#)

 Riyadh, Saudi Arabia

SUMMARY

A motivated Physics graduate with a strong academic background and a keen interest in scientific research, teaching, and quality standards. Skilled in data analysis, semiconductor processes, and energy systems, with hands-on experience in laboratory work and technical reporting. Passionate about contributing to education, metrology, and quality assurance through analytical thinking and problem-solving abilities. Committed to continuous learning and professional development in physics applications.

EXPERIENCE

King Abdulaziz City for Science and Technology (KACST) | Saudi Arabia
Training Program | Semiconductor Manufacturing Operations in Clean Room | January 2024 – May 2024.

- Learned about semiconductor fabrication processes and cleanroom protocols.
- Assisted in operating and maintaining equipment used in wafer processing.
- Observed quality control procedures and testing methods for semiconductor devices.
- Supported engineers in troubleshooting and improving manufacturing processes.

Cooperative Training | Energy and Industry Sector | March 2023 – May 2023.

- Gained knowledge of renewable energy technologies and industrial applications.
- Assisted in collecting and analyzing data on energy consumption and efficiency.
- Helped set up experiments to test energy storage materials and systems.
- Prepared reports and presentations on energy solutions under supervision.

EDUCATION

Princess Nourah Bint Abdulrahman University | Saudi Arabia
Bachelor’s Degree in Physics | June 2024.

COURSES

- Power BI 101 Course | Satr Tuwaiq Academy | March 2025.
- Power BI 102 Course | Satr Tuwaiq Academy | April 2025.
- Introductory Energy Transition Training Program | KAUST Academy | 40 Hours | January 2025.
- ISO/IEC 17025 International Standard for Testing and Calibration Laboratories | 25 Hours | Technical and Vocational Training Corporation | January 2025.
- Data Analytics Essential Course | Cisco Networking Academy | November 2024.
- EnergyX Sustainable Energy Design a Renewable Future | DelftX, edX | May 2024.
- Critical Thinking Skills for University Success | Coursera | March 2024.
- Learning Silvaco for Semiconductor Simulation Course | Udemy | February 2024.
- Problem-Solving Skills for University Success | Coursera | February 2024.

- Microstructure and Mechanical Properties of Aluminum Alloys | Saudi Physical Society (SPS) | February 2024.
- Mechanics Energy and Gravity from Particles to Planets | Coursera | UNSW Sydney | November 2024
- Nanodegree Programming in Data Science | Saudi Digital Academy | January 2023.
- Falak Enrichment Program Training | Falak for Space Science and Research | 36 Hours | December 2022.
- Participating in the ActInSpace Regional level Hackathon | November 2022 | Saudi space commission
- Spacecraft Dynamics and Control Specialization | Coursera | May 2025.
- International English Language Testing system (IELTS) score 5.
- IC Design, CHIPATHON training program | Academy 32 | 20 Hours April 2025

RESEARCH

- Graduation Research | The Impact of Double-Layer Anti-Reflection Coatings on Solar Cell Performance.

EXTRACURRICULAR ACTIVITIES

- Member | Women and Energy Association | Number: WE-674e34b230221.
- Member | Media Committee, Nano Club | Princess Nourah Bint Abdulrahman University | 10 Hours.
- Member |Writing and Editing Committee, Science Journalism Magazine Club, The Article Why Pluto is no longer considered a planet | Princess Nourah Bint Abdulrahman University , | 16 Hours.
- Participated in Various Hackathons | Princess Nourah Bint Abdulrahman University.
- Participated in Future of Semiconductor Forum | King Abdulaziz City for Science and Technology (KACST).
- Achieved the third place in the best scientific poster competition in the physics department | Princess Nourah Bint Abdulrahman University.
- Attended the Space Debris Conference | Communications, Space & Technology Commission (CST).

SKILLS

- **Technical Skills:**
 - Metrology and Calibration Standards.
 - Data Analysis & Visualization (Tableau).
 - Statistical Analysis (Excel).
 - Scientific Research & Report Writing.
 - Experimental Design & Testing Methods.
 - Quality Control & Assurance.
 - Teaching Skills.
- Instructional Design.
 - Assessment and Evaluation.
 - Microsoft Office Suite.
 - **Soft Skills:**
 - Analytical Thinking.
 - Attention to Detail.
 - Communication.
 - Presentation.
 - Public Speaking.
 - Time Management.

- Team Collaboration.
- Adaptability.
- Organization Skills.

LANGUAGES

- Arabic English Spanish.

تفاصيل الجواز

تم

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الاسم



رنا بنت فيصل بن عبدالله النفيعي العتيبي

الجنسية



المملكة العربية السعودية

الجنس



أنثى

تاريخ الميلاد



17/04/2001

رقم جواز السفر



AE61943

نوع الجواز



عادي

مكان الإصدار



العربية السعودية

تاريخ الإصدار



28/03/2023

تاريخ الإنتهاء



09/12/2032