



Adil Khalfan Rabia Al Washahi

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Nationality: Omani

Profile Summary

Electrical & Electronics Engineer | Chip Design & Verification Engineer at GSME

Versatile engineer specializing in chip design and verification for analog, mixed-signal, and digital systems. Graduated with honors from the University of Leeds in Electrical and Electronics Engineering. Led one of the teams behind Oman's first-ever chip. Proficient in Cadence (Virtuoso, Genus, Xcelium), MATLAB Simulink, C++, and Verilog. Open to relocation for roles that drive innovation and creativity.

Professional Experience

September 2022 - Present Chip Design and Verification Engineer – GSME Oman

Present

- Developed and implemented complex integrated circuit designs for a variety of applications, including Low Dropout Regulators (LDO) and Operational Amplifiers (Op Amps).
- Played a key role in the development of Oman's first-ever chip, leading one of the teams responsible for designing and integrating various digital applications, marking a significant achievement in the region's semiconductor industry.
- Top Trainee Recognition: Achieved a top 10 ranking among 92 trainees and successfully led a team of 7 in developing an On-Chip AI project, demonstrating strong leadership and technical skills.
- Experienced in Analog, Mixed Signal, and Digital IC design from concept to completion, with hands-on expertise in simulation and layout of complex integrated circuit schematics.
- Proficient in industry-standard tools such as Cadence for designing, simulating, and verifying digital and analog circuits. Design, simulate, and verify digital and analog circuits using industry-standard tools (Cadence).
- Conducted verification and validation to ensure designs met performance requirements and specifications.
- Skilled in DRC and LVS troubleshooting, ensuring design accuracy and manufacturability.

July 2022 - September 2023 Marketing Leader – Sofred Mobility

September 2023

- Marketing Strategist: Develop and implement comprehensive long-term marketing strategies that align with organizational goals and drive brand growth.
- Content Development: Contributed to the creation of the Sofred Mobility brand, including the development of its slogan, core values, and engaging website content from inception to execution.
- Social Media Management: Oversee and optimize all social media platforms, crafting compelling content that enhances brand visibility and fosters community engagement.

May 2020 - January 2021 Social Media Manager and Content Creator – Marketing Department: Salikon for Knowledge L.L.C.

January 2021

- Managed social media accounts across multiple platforms, including content scheduling, audience engagement, and performance analysis.
- Developed and executed marketing strategies and campaigns to enhance brand visibility and drive online engagement. Creating contents for social media and projects
- Created and curated content for social media channels and projects, ensuring alignment with company goals and audience interests.
- Provided client services by addressing inquiries, resolving issues, and ensuring customer satisfaction through social media channels.

Volunteer Experience

June 2020 - June Secretary – Leeds Omani Society

2021

University of Leeds – United Kingdom, Leeds

- **Organized charitable, educational, social, and entertainment events** for the Omani community in Leeds and Oman, fostering cultural engagement and support.
- **Provided support and guidance for new students** in Leeds, assisting them with settling into university life and navigating administrative processes.
- **Managed online communities and meetings**, ensuring smooth communication and collaboration among society members through digital platforms.
- **Developed and maintained the society's website**, ensuring up-to-date information and resources for members and the broader Omani community.
- **Oversaw the management of society files and documents**, ensuring accurate record-keeping and compliance with university guidelines.

September

2019- April 2021

Service and Activities committee's member - Omani student advisory council UK

- **Edited Qitaf Magazine** (2019 – 2020), leading a team to create and conduct interviews featured in the magazine and recorded for social media platforms, enhancing engagement and providing valuable insights for the Omani student community.
- **Edited the Student Guide** (2020), contributing to content creation and revisions, offering essential information and resources for new and existing Omani students in the UK.
- **Managed and created content for social media platforms**, promoting the council's events, activities, and initiatives while fostering an active and informed online community.

Education

2019- 2022 Bachelor of Electrical and electronics Engineering

University of Leeds - Leeds, United Kingdom

- With Honors, Class II Division I (Upper 2-1), GPA(3.7)
- Final Year Project: "Conformal Metasurface lens antenna for 5G beam steering systems".
- Area of Expertise: IC Design, Digital Communications, Electric Power System, High Frequency Electronics, Electric Machines, Communications theory, Embedded Systems, Control Systems.

2018- 2019 international foundation year certificate.

University of Leeds - Leeds, United Kingdom

- AAB

2017- 2018 Kaplan International English school

Kaplan International English school - Manchester, United Kingdom

- High intermediate

High School Diploma

2014- 2017

Al Khoudh High School - Muscat, Oman

Graduated with 94.2%

Projects

Conformal Metasurface lens antenna for 5G beam steering systems - University of Leeds:

- Developed a beam steering solution to enhance the performance of multi-user high-speed wireless communication links for 5G networks, utilizing CST Microwave software for simulation and design.

AI based voice recognition system on chip - GSME Oman:

- Designed an artificial intelligence model capable of differentiating between two Quran reciters, focusing on the integration of AI algorithms into a chip-based solution for advanced voice recognition.

Gamepad project (Embedded systems) - University of Leeds:

- Developed a game using a microcontroller programmed in C++, creating an interactive gaming experience and demonstrating expertise in embedded system design.

Calculator project (Embedded systems) - University of Leeds:

- Developed a calculator using a microcontroller, external LCD, and keypad, developed with Keil-v5 IDE software, showcasing proficiency in embedded system development and user interface integration.

Communication system design (digital communications) - University of Leeds:

- Designed a comprehensive communications system solution tailored for an oil factory, addressing specific industrial requirements and improving operational efficiency through advanced digital communication techniques.

Integrated circuit design (Integrated circuit) - University of Leeds:

- Designed various transistors using CST Micro and Dsch software, applying expertise in integrated circuit design to develop and optimize semiconductor components for diverse applications.

Skills

Technical Skills:

- **Design Tools:** Cadence (Virtuoso, Genus, Innovus, Xcelium), MATLAB Simulink, CST Microwave Studio.
- **Programming:** C, C++, Verilog, VHDL.
- **Verification:** DRC, LVS Troubleshooting, Simulation & Layout.

Leadership & Communication:

- Project Management, Team Leadership, & Collaboration.
- Client relations & Customer Support.
- Event Planning & Community Engagement.

Marketing:

- Brand Development & Campaigns.
- Data Analysis & Audience Engagement.
- Social Media & Content Creation.

Languages

Arabic	Native
English	Fluent

References

Hamza Al Naabi (Analog Design Lead, GSME) **+968 93927577**

Omar Al Hoqani (Founder and CEO of Sofred Mobility) **+968 95708133**

Mustafa Al Ajmi (Marketing Department Manager, Salikon for Knowledge) **+968 92922237**