



Arslan Ahmad Hussain

Date of birth: 22/06/2004 | **Place of birth:** Wah Cantt, Pakistan | **Nationality:** Pakistani |

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ABOUT ME

Industrial Engineer with expertise in CAD modeling, manufacturing processes, and project management, specializing in material optimization, automation, and sustainable design.

WORK EXPERIENCE

01/08/2024 – 01/09/2024 Hasanabadal Wah Cantt, Pakistan

INTERNEE KSB PAKISTAN

Application of Lean Tools, Implementation of 5S Technique.

EDUCATION AND TRAINING

26/09/2021 – CURRENT Taxila, Pakistan

BACHELOR INDUSTRIAL ENGINEERING University of Engineering and Technology, Taxila

Project Management, CAD Designing, Simulation, Work Study & Method Engineering, Optimization Techniques, Supply Chain Management, Operations of Manufacturing Systems.

Website <https://web.uettaxila.edu.pk/> | **Field of study** Engineering, manufacturing and construction | **Final grade** 3.46 CGPA |

Level in EQF EQF level 6 | **National classification** 6 | **Type of credits** 3 | **Number of credits** 103

09/08/2019 – 25/07/2021 Wah Cantt, Pakistan

INTERMEDIATE - PRE ENGINEERING F.G Public School No.3 (Boys) Wah Cantt.

Level in EQF EQF level 3

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

21/08/2024 – CURRENT

Design and Development of Innovative extrusion machine for recycled filament.

The Smart IoT-Enabled Extrusion Machine optimizes recycled filament production with real-time monitoring, auto-adjustments, and IoT integration. A filament sensor ensures precision by dynamically adjusting temperature, screw speed, and pull speed. Users select materials (PLA, PETG, ABS), triggering automatic parameter optimization. Remote

monitoring and alerts enhance efficiency, reducing waste and manual intervention for high-quality, sustainable filament production.

● VOLUNTEERING

25/10/2021 – CURRENT UET Taxila

Quaid E Azam Debating Society UET Taxila

Volunteering as a member of Quaid e Azam Debating society UET Taxila from being a general member to **Joint Secretary** (Cabinet Member), and have been one of the crucial members in organizing events either Inter-University or Intra-University.

17/10/2022 – CURRENT UET Taxila

American Society of Mechanical Engineers Student Chapter UET Taxila

Volunteering as a member of ASME Student Chapter UET Taxila from being an Executive member to **Vice Chairperson** (Cabinet Member), and have been one of the crucial members in organizing technical events including community services weeks.

17/11/2022 – CURRENT UET Taxila

Institute of Industrial and Systems Engineers Student Chapter UET Taxila

Volunteering as a member of Institute of Industrial and Systems Engineers Student Chapter UET Taxila from being an Executive member to **Technical Head** (Cabinet Member), and have been one of the crucial members in organizing events including seminars, community services etc.

14/10/2022 – CURRENT UET Taxila

X NEWS UET Taxila

Volunteering as a member of X NEWS UET Taxila from being an Executive member to **Editor In-Chief** (Cabinet Member), and have been one of the crucial members in communicating notices, NEWS and regulatory information from administration to students.

14/11/2023 – CURRENT UET Taxila

University Arts and Culture Society UET Taxila

Volunteering as a member of University Arts and Culture Society UET Taxila as **Vice President** (Cabinet Member), and have been one of the crucial members in organizing events either Inter-University or Intra-University.

17/10/2023 – 19/06/2024 UET Taxila

Society of Environmental Engineers UET Taxila

Volunteering as a member of Society of Environmental Engineers UET Taxila as **Graphics Head**, and have been one of the crucial members in promoting events either Community Services and Seminars etc

14/09/2023 – CURRENT

Chiragh International Model United Nations

Volunteering as a member of Chiragh International MUN Administration team as **Head Media Director**, and have been one of the crucial members in promotion and marketing of MUN.