



Hamas Ali

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WORK EXPERIENCE

AI intern at Itsolera Pvt Ltd

Hamas Ali [21/07/2024 – 24/10/2024]

City: Islamabad | **Website:** <https://itsolera.com> | **Email address:** info@itsolera.com | **Name of unit or department:** AI Department - **Business or sector:** Information and communication

Link: <https://drive.google.com/file/d/1mpPWUePZwktDEWY6txLLCspnLWVeOU4w/view?usp=sharing>

In summer 2024, I completed a hybrid AI internship at Itsolera Pvt Ltd, where I worked on an Autonomous Driving Car Simulation using CARLA and deep learning, and a Medical Diagnosis Support System leveraging ResNet and BioBERT for X-ray and clinical note analysis. This experience allowed me to apply AI concepts to real-world problems and collaborate with a team on impactful projects.

Helping hand for relief and development

volunteer [09/02/2024 – 26/02/2024]

City: Chakwal | **Country:** Pakistan | **Website:** <https://www1.hhrd.org/> | **Email address:** info@hhrd.org | **Name of unit or department:** Orphan Support department - **Business or sector:** Human health and social work activities

Link: https://drive.google.com/file/d/1dRy7Yj9vwmvfcBgbNzM_ofHGhnX9gUsY/view?usp=sharing

As a volunteer in the Orphan Support Program at Helping Hand for Relief and Development, I organized resources for education and healthcare, planned activities for children's well-being, and managed data to ensure fair aid distribution while addressing the needs of orphaned children and their families.

EDUCATION AND TRAINING

Bachelor's degree in software engineering (BSSE)

Capital university of Sciences and technology [08/10/2021 – Current]

City: Islamabad | **Country:** Pakistan | **Website:** <https://cust.edu.pk/> | **Final grade:** 3.83/4.0 | **Level in EQF:** EQF level 6 | **Thesis:** Design and implementation of FPU in a RISC-V processor

Software Project Management, Introduction to Programming, Object-Oriented Programming (OOP), Data Structures, Data Science, Artificial Intelligence (AI), Calculus and Analytical Geometry, Linear Algebra, Probability and Statistics, Internet of Things (IoT), Operating System, Computer Communication and Networks, Introduction to Databases, Web Engineering, Discrete Structures, Applied Physics, Software Quality Engineering, Business Process Engineering, Software Reengineering, Computer Game Programming, Introduction to Information Security and Forensics, Simulation and Modeling, Introduction to French Language, Software Architecture and Design etc.

Matriculation (Secondary School)

Noble house School system [15/03/2016 – 10/03/2019]

Address: Mohallah line park, chakwal, pakistan, 48800 Chakwal | Website: <https://www.facebook.com/NobleHouseSchool/> | Field(s) of study: Information and Communication Technologies: • Information and Communication Technologies (ICTs) not further defined | Final grade: B | Level in EQF: EQF level 3

Intermediate (ICS - Intermediate in Computer Science):

Royal college of Sciences chakwal [14/08/2019 – 15/07/2021]

City: Chakwal | Country: Pakistan | Website: <https://royal.edu.pk/> | Field(s) of study: Information and Communication Technologies: • Software and applications development and analysis • Information and communication technologies not elsewhere classified | Final grade: 1073/1100 (A+) | Level in EQF: EQF level 4

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

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

DIGITAL SKILLS

C / C++ / C+ / programming: Python, MATLAB and SQL / Tensorflow, Keras, Pytorch, sklearn / Machine Learning • / Artificial Intelligence / WEB: Web Designer, Web Developer / Data structures and Algorithms / Object-Oriented-Programming / Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation / Html / CSS / JavaScript / Computer vision / Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. / Deep Learning, / Software Engineering. / Natural language Processing

CERTIFICATES

[19/10/2021 – 13/11/2024]

Advance Machine learning algorithm's ,Supervised machine learning, Data analysis with python,Tensorflow-Keras Bootcamp, Chancellor's Honor Roll, Dean's Honor Roll

PROJECTS

Projects List

- **Autonomous Driving Car Simulation** (CARLA Simulator, TensorFlow, OpenCV, Python).
- **Car Spot Detection and Counter System** (YOLOv8, SORT Algorithm, Python).
- **Face Recognition Attendance System** (OpenCV, Mediapipe, Firebase, Python)
- **Hand Gesture Volume Control**(Mediapipe Library, Python)
- **Multi-Modal Medical Diagnosis** (Integrated Computer Vision, Text, and Audio Data for Comprehensive Medical Diagnosis and Decision Support)
- **Coffee Machine Virtual Interface** (OpenCV, Python)
- **Car Rental Management System** (Object-Oriented Programming (OOP), C++)
- **Dentox Web App** (E-commerce Website developed using Django, SQLite Database, HTML, CSS, Bootstrap, JavaScript)