



Ahmed Khan



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ABOUT ME

Highly motivated and detail-oriented Sustainable Building Engineering graduate seeking an entry-level position to apply knowledge, skills, and passion for sustainability in the construction industry. I am eager to contribute to environmentally friendly building projects and utilize my technical expertise to create innovative and efficient solutions.

WORK EXPERIENCE

Research Intern

Sapienza University of Rome [01/10/2023 – 30/06/2024]

City: RIETI | Country: Italy | Website: <https://www.uniroma1.it/it/pagina-strutturale/home> | Email address: khan.1922159@studenti.uniroma1.it | Name of unit or department: Civil and Industrial Engineering - Business or sector: Construction

- Testing of guidelines on the safety of bridges and viaducts
- Analysed the slope stability with the use of geostudio
- Analyzed the correlation between SAR data and recorded landslide events
- Identified high-risk zones for potential future landslides in the Region of Abruzzo, Italy.

EDUCATION AND TRAINING

Pursuing Master's Degree in Environmental and Sustainable Building Engineering

Sapienza University of Rome [01/10/2023 – Current]

City: Rome | Country: Italy | Website: <https://www.uniroma1.it/it/pagina-strutturale/home>

Bachelor's Degree in Sustainable Building Engineering

Sapienza university of Rome [01/10/2019 – 29/05/2023]

City: Rome | Country: Italy | Website: <https://www.uniroma1.it/en/pagina-strutturale/home>

DIGITAL SKILLS

Drawing software: AutoCAD, REVIT / GeoStudio (SEEP/w, SLOPE/w) / ArcGIS, ESRI, QGIS, EPANET, Google Earth Pro / Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / INTERMEDIATE IN ARCHICAD / MacOS and Windows

PROJECTS

Academic Project Redesigned the Esherick House to meet the architectural and functional needs of its new location in Helsinki, Finland. Modified structural components to accommodate Finland's unique climate conditions, differing significantly from those of the USA. Used Revit and AutoCAD for detailed architectural and structural design modifications. Utilized Climate Consultant for climatic analysis and adaptation strategies.

Academic Project 2 Designed a single-story school building to meet educational needs and spatial requirements for both primary and secondary students. Integrated outdoor patios within the design to enhance learning environments and recreational spaces.

Addressed the challenge of designing a single-story structure due to its proximity to Lucca Sorbano Park, where a double-story building was not advisable. Ensured that the design respected local regulations and environmental considerations.

HONOURS AND AWARDS

Certificate of honour from State Teachers Federation for securing highest GPA at School.

Certificate of Appreciation for participating in various events like Elocution, Public Speaking, Debates and Spell Bee.

COMMUNICATION AND INTERPERSONAL SKILLS

Creative, Attention to Detail

Problem solving

Adaptable, Passionate

Critical Thinker, Multi tasker

Self Starter, Quick Learner

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Italian

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

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