

# Hasnain Haroon

Stadium Road  
Fateh Jang  
Portfolio

☎ (+92) 345 5039097  
✉ [hasnianharoon456@gmail.com](mailto:hasnianharoon456@gmail.com)



*Aspiring Structural Engineer with Interest in BIM and Computer Vision Applications*

## Education

- 2022–2026 **COMSATS University Islamabad, WahCantt Campus**  
CGPA: 3.75 / 4.00 - Expected Graduation: September 2026
- 2020–2022 **Wah Hope College Fateh Jang , Intermediate**
- 2018–2020 **Govt. Boys High School No.2 Fateh Jang, Matric**

## Projects

- FYP **Developed a deep learning–based structural crack detection and severity classification system using YOLOv11s-seg with crack segmentation, width estimation, web platform, and Android app.**
- Semester Projects **Developed and analyzed multi-storey building models in ETABS, designed foundations, performed quantity and cost estimation, and created Excel design sheets for RC elements based on ACI provisions.**

## Experience

- Jun–Jul 2024 **Internship 1, HASHIM ASSOCIATES & BUILDERS PVT. LTD., Trainee Engineer, Site Engineer – Residential Houses**
- Jul–Aug 2024 **Internship 2, WINSTON DEVELOPERS (PVT) LIMITED, Trainee Engineer, Site Engineer – Multi-Storey Commercial Building**
- 5 Aug–19 Aug 2024 **Internship 3, COMSATS UNIVERSITY ISLAMABAD, WAH CAMPUS, Survey Camp, Harnoi, Abbottabad**
- 14 Jul–22 Aug 2025 **Internship 4, NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED, Trainee Engineer, Structure Office**

## Technical Skills

- Engineering Software **AUTOCAD, REVIT, ETABS, PRIMAVERA P6, MICROSOFT EXCEL, MICROSOFT WORD, SWMM, RISA 2D**
- Structural & Civil **Structural Analysis, Reinforced Concrete (RC) Design, Steel Structure Design, Engineering Drawing & Drafting, Surveying, Quantity Estimation**
- Programming & AI **Python Basics, Computer Vision Fundamentals, Image Processing Basics, Deep Learning Models**

## Languages

- Urdu **Native Speaker** *Excellent Command*
- English **Professional Working Proficiency** *Good communication and technical writing skills*

## Interests

- Structural Designer
- BIM Engineering
- QA/QC Inspection
- Construction Management