

# Farrukh Kamran

## Mechanical Design Engineer

### Masters Manufacturing Egg. (Högskolan Väst)



## Contact

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### Driving License:

 (Swedish License)

 (Omani License)

 (Pakistani License)

## Languages

English – ●●●●● / Native

Svenska – ●● / Intermediate

Arabic – ●●●● / Conversational

Urdu – ●●●●● / Native

## Summary

Experienced Mechanical Design Engineer, with Masters Degree in Manufacturing Engineering from Högskolan Väst, Sweden. Experienced CAD designer with expertise in Solidworks and Catia. Hands in experience of FEA simulations for the complex projects for stress analysis and fluid dynamics. Highly proficient with DFM/DFA, extracting Bill of Material and producing realistic renderings. I am highly computer literate with alot of self acquired experience with designing website, networking, email servers etc.

## Skill Highlights

**Design** – Solidworks 21, Catia v6, AutoCAD, Siemens NX, Solidedge  
**Simulation Analysis** – ANSYS, Solidworks FEA, Matlab  
**Process Tool (PLM)** – Solidworks PDM, 3DEXperience  
**Programming** – Matlab, Robot Studio, C++, HTML

## Education

Masters of Science: **Manufacturing Engineering** – (2020-2021)  
*Högskolan Väst, Sweden*

Bachelor of Science: **Mechanical Engineering** – (2007-2011)  
*University of Engineering & Technology, Lahore.*

## Experience

**Mechanical Design Engineer** – June 2022 to November 2025  
*Koenigsegg Automotive AB, Ängelholm, Sweden*

- Design and model components, jigs, fixtures, and tools using CATIA in the 3DEXperience platform.
- Develop and maintain 2D drawings with GD&T, material specifications, and post-processing requirements.
- Apply DFM and DFA principles to optimize designs for manufacturability and assembly.
- Collaborate with production, aftermarket, prototype, quality, electrical, and CAE teams to ensure seamless integration and quality.
- Utilize JIRA for agile project tracking and task management.
- Coordinate with suppliers and vendors for procurement and part specifications.
- Lead design reviews and organize tests to validate component functionality.
- Generate and update Bills of Materials (BOM) and oversee product release into production.
- Manage 3D printing and assembly tasks as needed.

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**Development Engineer** – September 2021 to June 2022

**Elonroad AB, Sweden**

- Design and development of on-the-go electric roads. Hardware design for enclosures for high IP ratings. Material selection for hardware parts for different environments and exposures.
- Design of Mechanical parts and assemblies for pick-up chargers for electric vehicles.
- Prototyping of designed parts.
- Brainstorming of ideas for development and betterment of the existing designs and problem solving.

**Mechanical Design Engineer** – May 2015 to October 2020

**The Mak3rs (Pvt.) Ltd., Lahore, Pakistan**

- 3D CAD designing, modeling and 3D printing.
- Design using Solidworks, CATIA, Fusion360, CREO, Inventor and 5000+ design hours spent on the softwares. Designing of complex geometries, parts, harnesses, packaging and assemblies.
- Proficient with parametric modeling and surface modeling also produced highly realistic renderings.
- More than 250 individual projects done and has portfolio for designs as well.
- 3D realistic renderings of products, designs and assemblies using Keyshot, 3D max and blender.
- Product designing and product animations (assembly and exploded views).
- Trained with troubleshooting of 3D printers. Highly proficient with 3D printing including FDM and SLA/SLS technologies.
- Efficient with prototyping and manufacturing techniques. Experience with Laser cutting and CNC machining.

## Personal Attributes

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- High moral and ethical values. Hardworking, Punctual, Innovative and Team-Player.
- Observant and have an eye for detail. Good negotiation and problem-solving skills.
- Proven leadership and managerial caliber with extensive entrepreneurial experience.
- Assertive, dynamic & ambitious. Dedicated and determined to produce best results.
- Goal-oriented with can-do-it attitude. Friendly with a sense of good humor.

## Achievements

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- **MS Scholarship** – 25% scholarship by Högskolan Väst, Sweden for exceptional academic record. (2020)
- **1<sup>st</sup> Prize Final Year Project** – Won Grand Prize from [instructables.com](https://www.instructables.com) worth \$525 because of exceptional Final Year Project and first position in Mechanical Department. (2012)
- **Control Lab Distinction** – 1<sup>st</sup> position in control lab exhibition held at university level. (2010)
- **College Scholarship** – Studied in Intermediate level on Scholarship worth \$1200 (2005)
- **Best Singer of the year** – Awarded multiple times as best singer in college and university. (2005-2011)

## Interests

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**Computers** – Programming, web development, servers, networking, HTML, graphic designing, animations.

**Outdoor activities** – Hiking, cycling, swimming, cricket, travelling.

**Arts** – Singing, acting, drawing/sketching, photography.

## References

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Will be furnished upon request.