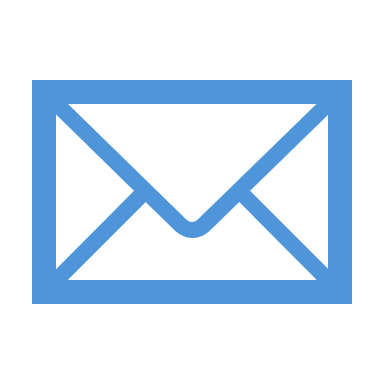
CONTACT

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L28, Adarsh Colony, Syed Nagar, Hadapsar, Pune

[Hina Firdouse](http://www.linkedin.com/in/hina-ﬁrdouse-technical-intercepts)



EXPERIENCE

August 2021 – Present

Automotive Systems Engineer

Magna International

TECHNICAL SKILLS

Programming, Scripting and Modelling Languages: C, (HTML, CSS, JavaScript), Python, SYSML. UML

Process, Standards and Methodologies: ASPICE, IREB, ISO26262, Agile and Scrum

Software Tools: IBM Jazz, IBM DOORs, IBM Rhapsody, MATLAB and SIMULINK, JIRA, Microsoft 365, Vector CAN tools, Git and GitHub, Power BI, Docker, Kubernetes.

Domains: Systems Engineering, MBSE (Model based System Engineering), Model Based Development, Machine Learning

HINA **FIRDOUSE(She/Her)**

AUTOMOTIVE SYSTEMS ENGINEER

KEY PROJECTS, ROLES, AND RESPONSIBILITIES

1. Captured, documented, defined, elicited, maintained, and managed the Customer, System, Subsystem, Functional and Non-Functional software requirements.
2. Written and Developed requirements and functional specifications for the components such as ‘**Cluster Interface**,’ ‘**Automatic Parking Assistant System**’ ‘**Active Braking System**,’ **Transmission Control Unit**, **Clutch Control, Door Latch Assemblies.**
3. Collaborated in Functional Safety activities, aware of standard ISO 26262 and the process to adopt Functional Safety.
4. Created Requirement Documents and Specification books as per ASPICE standards.
5. Created Baselines, Components and Configurations.
6. Defined and created attributes, views for customer and system requirements.
7. Manage and track changes to the requirements throughout the project lifecycle ensuring proper version control.
8. Ensure the requirements are valid, traceable, and verifiable.
9. Organized review process collaborated with stakeholders and development team to review and validate requirements and obtain necessary approvals.
10. Migrated customer and system requirements from legacy database to advanced database using migration tools, also identified potential risks associated with migration and proposed mitigation strategies.
11. Created comprehensive and interactive reports for the Reporting Teams for various Project Areas.
12. Created extensive training materials on Requirement Engineering and provided trainings to inhouse employees as well as Counter Parts.
13. Created comprehensive Requirement templates that covers attributes, datatypes and links to higher and lower requirement, Global Workflow, Configuration, and Test managements for different Artifacts.
14. Worked in Agile Environments, participated and aware of all sorts of Agile Ceremonies.
15. Developed, Tested Custom Widgets and Extensions from Softacus for IBM ERM and deployed on Magna Server.
16. Performed End of Line Analysis of Transfer Cases Torque Vectoring.
17. Developed Composite Heterogeneous Energy Storage System (a hybrid battery) Plant Model and conducted feasibility studies by simulation for the combinations of Li ion cells and Ultra capacitors.
18. Performed Thermal Simulations of Clutch assemblies in xDCT using various drive cycles.

EDUCATION

2013-2014: Master of Technology in Embedded Systems JNTU(H), 1243/1600, First Class with Distinction

2009-2013: Bachelor of Technology in Electronics and Telecommunication Engineering, Kakatiya University, 4261/5400, First Class with Distinction

INTERESTS AND STRENGTHS

Engineering Mathematics, Algorithm development, Mathematical model development, programming, learning modern technologies, reading technical contents, Making educational videos, Communication Skills.

PUBLICATIONS AND LINKS

Paper:

### [A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT environment (ISSN 2348– 2370Vol.07, Issue.06, July-2015, Pages:1083-1086)](https://www.ijatir.org/uploads/524361IJATIR5726-186.pdf)

### GitHub: [hinafird92](https://github.com/hinafird92)

### YouTube: [Technical Intercepts](https://www.youtube.com/@technicalintercepts)

AWARDS, ACHIEVEMENTS AND CORPORATE VOLUNTEER ACTIVITIES

1. Two times Employee of the Month one at the Organization level and second at the Department level.
2. Received ten plus appreciation mails from Customers for the Quality of the work, Live Trainings given, and Training Videos made and posted on intra video channel.
3. Core Team Member for the Organizational Transformation Initiative and felicitated with a trophy for the Frameworks, Surveys made, and Workshops conducted.
4. Technology Committee member and organized technology events in the department.
5. Admin and Handler of Department Social Communication Platform.
6. A Sustainability Ambassador.
7. Pod buddy of Mentoring Matters Program of Magna Women Exchange Community.

CERTIFICATIONS

1. [Scrum Fundamental Certified Course](http://www.linkedin.com/in/hina-ﬁrdouse-technical-intercepts_scrumstudy-activity-7158686350404132864-ogXo?utm_source=share&utm_medium=member_desktop)
2. [Introduction to Cloud Identity.](https://www.coursera.org/account/accomplishments/certificate/3YMVVP3ZPMCV)
3. [Cloud Computing Basics (Cloud 101)](https://www.coursera.org/account/accomplishments/certificate/8NW8EDTHQQLJ)
4. [Data Visualization with Power BI](https://www.mygreatlearning.com/certificate/DWDACVGE)