

AADIT SABAREESH NAIR

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MODEL-BASED SYSTEMS ENGINEER | SIX SIGMA BLACK BELT | CERTIFIED FMEA SPECIALIST

WORK EXPERIENCE

ROLLS ROYCE (ALTEN LTD) – MODEL-BASED SYSTEMS ENGINEER

- Working in an Agile-based team at Alten Ltd. for Rolls Royce.
- Developing an ECOSIStem process for Level A DO-178C certification.
- Developing Safety Critical Systems for civilian aircraft engines.
- Planning sprints, negotiating Effort Points, and taking up User Stories to be completed by end of sprint.
- Utilizing Azure DevOps to track development cycle and continuous integration.
- Writing High-Level Requirements (HLRs) from System Requirements Allocated To Software (SRATS).
- Working on MATLAB/Simulink to develop LLR for FADEC control system using Model-Based System Design.
- Developing Test Cases for Simulink based testing to test HLRs in MIL and PIL modes.
- Ensuring the model passes all compliance checks.
- Integrating components into Architecture on Simulink.
- Peer reviewing Pull Request to ensure compliance and high delivery standards.
- Delivered over £1.5 Million in features exceeding targets by 10% - 20%.
- Successfully delivered features on time in every sprint.
- Attained Star of Sprint award for multiple sprints.
- Underwent on-job training in Simulink Model Management and Architecture.

CHAYA EDUCATION PVT LTD - CONTENT MANAGER

- Led teams of 3-10 content managers. Managed verbal section team.
- Created over 400 practice questions and delivered over 100 hours of online classes for various competitive and entrance tests (CAT, MAT etc.).
- Reviewed data and improved content to achieve over 95% positive feedback.
- Collaborated with tech team to develop and implement an extensive user feedback interface.

GNA GEARS - DESIGN ENGINEER

- Designed 2D and 3D models of automotive components in AutoCAD and CATIA.
- Interacted with clients during discovery phase to understand initial concept.
- Took part in preliminary and critical design meetings for each sprint.
- Conducted FMEA and deployed 8D problem-solving methodology during testing phase.
- Utilised Six Sigma tools to optimize floor movements at production site improving efficiency by 10%.

EDUCATION

DEGREES

- MSc Management - University of Leeds
- B. Tech in Mechanical Engineering – Lingaya's Vidyapeeth

CERTIFICATIONS

- MathWorks Simulink Model Management and Architecture
- Lean Six Sigma Black Belt, Six Sigma Academy Amsterdam, 2022.
- Certified FMEA Specialist, AIGPE, 2022.

SKILLS

- Technical: MATLAB, Simulink, Microsoft Excel, Git, Azure DevOps
- Language: Fluent English, Hindi, and Malayalam.