

Curriculum Vitae

Name: Avinash M.Hunasimarad
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PERSONAL STATEMENT:

As an experienced CAE analyst currently seeking a new challenging responsibilities and to be one in achieving the goal & objectives of a highly motivated organization and further aid in its growth by being one with the mission.

EDUCATIONAL QUALIFICATIONS

Examination	Board/University	Year of Passing	%
B.E (Mechanical Engg.)	VTU / VDRIT, Haliyal.	2015	60.00 *
12th	PU Board, Karnataka	2011	47.66
10th	SSLC Board, Karnataka	2009	81.12

***Subjects of Special Interest:** Finite Element Analysis, SOM, Mathematics.

TECHNICAL BACKGROUND / TRAININGS / KEY SKILLS / CERTIFICATES

Training	E1- Beginner, E2 – Intermediate , E3 - Expert ,E4 – Master User		
Domain Training	CAE Crash Analysis: FMVSS and ECE standards for vehicle crash analysis, Interpreting results like Energy curves, Structural stiffness, Resisting forces, Bio mechanics of crash.	10 Hrs.	WIP
Tools Training	LS Dyna-Crash : Running, execution ,reading output files(ASCII Binary),Error debugging and other useful information in LS- Prepost D3 plot animation, BINOUT Processing, Section Analysis, Time History Plotting, Quasi-Static Simulations.	20 Hrs.	WIP
	Hypermesh V-14.0: Geometry Clean-up, Defeature, 2D Shell, Meshing Quality Check, Material, Property, Load Collectors, Curve plotting, Curve editor, Deck preparation for crash analysis for Ls-Dyna and Optistruct Solvers, Connectors (Spot weld), 3D Tetra Solid Meshing, 3D Hexa Meshing .	800 Hrs.	E4
	Ansa V 16.0.0 : Geometry Cleanup, Extracting middle surface, Meshing, Quality Checking, Improving Mesh, Connectors (Spot weld & Rigid), 3D Tetra Solid Meshing, 3D Hexa Meshing.	600 Hrs.	E2
	Optistruct : Model analysis and Static analysis.	150 Hrs.	E3
	HyperView: Interpreting results – Modal & Static analysis, Plotting stress & strain plots, Reading output files.	60 Hrs.	E3
	Creo / Pro-E 5.0/Catia V5: Part design, surface design, assembly Design.		
	Six sigma	40 Hrs.	E2
Other Skills	MS Office 2007, 2010; Microsoft Project 07	40 Hrs.	E2
Productivity Tools	CES Edupack		

ACADEMIC PROJECTS

B.E. Project	<p>Title: Quality improvement by lean manufacturing.</p> <p>Objective: To reduce the Industrial waste by using lean tools.</p> <p>Scope: It will help to improve the quality of products during manufacturing.</p> <p>Brief Procedure: The purpose of this project is to apply the quality tools to find out the root causes of the quality problems related to manufacturing of plastic components. The modes of defects on production line are investigated through direct observation on the production line and statistical tools like Pareto analysis, Cause and Effect diagram etc. are used in enhancing the process by continuous monitoring through inspection of the samples.</p> <p>The work shows utility of quality tools to find the root causes of the problems and eliminate them.</p> <p>Benefits to the company: Increase the quality of the products during manufacturing.</p>
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LIVE PROJECT AND WORK EXPERIENCE

<p>Creative Engineering Services Pvt.Ltd, Bangalore (June 2016 – Feb 2018)</p>	<p>Designation: Junior Engineer - CAE</p>
	<p>Hyper mesh / Ansa Project : Meshing for components with crash criteria like</p> <ul style="list-style-type: none"> ➤ Automotive Parts: Front Bumper , Roof Panel, Wheel arc screen, Fender, Seat frame, Car hood, Crank shaft, Engine block, Crank case. ➤ Commercial vehicles chassis frame assembly. ➤ SUV underbody floor components (channel, channel bracket assembly, base suspension cover etc.) ➤ Car door components (outer panel, inner panel, intrusion beam, glass railings). ➤ Car front bumper assembly (Crash box, Bumper beam etc.). ➤ White good packaging products – 3D hexa meshing.
	<p>Sukhena Technologies Pvt.Ltd, Bangalore (Feb 2018 – July 2019)</p> <p>Project Title: Simulation of Gladiator. Objective: Gladiator test simulation plays an important role in investigating static behaviours as well as identifying weak points of gladiator and comparing results with previous experimental data. Tools Used: Creo, Hypermesh, Optistruct, Hyperview.</p> <p>Project Title: Simulation of Automotive chassis. Objective: Modal & static analysis on commercial vehicle chassis plays an important role in investigating static behaviours as well as identifying weak points of chassis and comparing with previous experimental data. Tools Used: Creo, Hypermesh, Optistruct, Hyperview.</p>
<p>IKSC Knowledge Bridge, Pune (Sep 2015 – Feb 2016)</p>	<p>Course: Product Verification - Crash Domain</p> <p>Automotive Basics</p> <ul style="list-style-type: none"> ➤ Classification, types, subassembly and assembly, brief of regulation, etc. <p>Finite Element Methods</p> <ul style="list-style-type: none"> ➤ Application of Finite element Methods, Different Elements in FE. Modeling Techniques, etc. <p>FE-Modeling in Hypermesh / ANSA</p> <ul style="list-style-type: none"> ➤ Meshing of BIW Components, Guidelines, Quality Checks, Material, Removal of Penetrations, etc. ➤ Spot Welding, Zero Run, LS Post Model Check ,Solution (e.g. LS-DYNA) ➤ Introduction, Materials, Contact Cards, Constraints, Boundary Conditions,

	<ul style="list-style-type: none"> ➤ Control Cards, Database Cards, error debug, etc. ➤ Pre and Post processing in Primer <p>Regulations US,EUROPE & NCAP</p> <ul style="list-style-type: none"> ➤ Overview, US & Europe Requirement, 5 Star ratings, etc. <p>Analysis Deck Preparation , Simulation, Post-Processing, LSPOST, PRIMER</p> <ul style="list-style-type: none"> ➤ FMVSS , ECE, AIS, Defining Load Path, Energy Absorbers, Analysis check Setup, Running The Deck, Post-Processing <p>Soft skills, Employability enhancement</p> <ul style="list-style-type: none"> ➤ Communication skills, Time Mgt, Project Mgt, Quality Standards, MS office, Interview Skills, etc.
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EXTRA-CURRICULAR ACTIVITIES, AWARDS AND MEMBERSHIPS

- Played CRICKET for Karnataka State Cricket Academy (KSCA).
- Participated in STATE LEVEL SCIENCE EXHIBITION held at Mandya during my high school days.
- I was selected as one of participants among 40 from our college, for STATE LEVEL VTU YOUTH FEST held at Davangere in 2014 & 2015.
- Participated in STATE LEVEL ATHLETICS held at Shimogga in 2014

DISC & 7 WORKPLACE DRIVER EVALUATION

Key Strengths:

- ✓ Highly productive and decisions are made with practicality and bottom-line dollars in mind.
- ✓ Profit driven and bottom-line oriented.
- ✓ Pay attention to return on investment in business or team activity.
- ✓ High motivation to achieve and win in a variety of areas.
- ✓ Take strong interest in how an objective or work can help support the environment or balance in life.

HOBBIES & INTEREST

Reading books, Internet surfing, Playing games, Solving Rubic square, Painting, Sketching, Traveling.

PERSONAL DETAILS

Name : Avinash M. Hunasimarad
Date of Birth : 31/07/1993
Sex : Male
Nationality : Indian
Languages Known : English, Kannada, Hindi and Marathi
Permanent Address : S/o M.T.Hunasimarad
Huddar Plot, Sadalaga
Tal: Chikkodi, Dist: Belgaum,
Pin: 591239, Karnataka.

Place: Bangalore

Date: