



## Kunam Chandrasekhar Reddy

(Software Engineer in Tech Mahindra)

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### Career Objective:

To be associated with a dynamic work sphere to extract my inherent skills as a professional and to solve problems in a creative manner in a challenging position.

#### TECHNICAL SKILLS

##### Programming Languages:

C, Embedded C, Python

##### Design Tools:

MATLAB Simulink 2016b,  
State flow, Model guideline checker,  
Target link 4.2, Serna

##### Testing and Debugging:

MTest-MIL, SIL Validation  
Polyspace 2016b code prover and bug  
finder, Beyond Compare, Softcar.

##### Tracking:

JIRA, ClearQuest

##### Software version control:

Clear Case, SDOM(CITRIX)

#### PROFILE SUMMARY

- ❖ 5.8 years of experience in Model-based development, Unit Testing and debugging with Power train domain knowledge. And ensured the compliance of the code with standard coding guidelines like MISRA-2012

#### PROFESSIONAL EXPERIENCE:

Employer	Designation	Duration
Tech Mahindra Pvt Ltd	Software Engineer	Sep 2021 to Present
Next Page Technologies Pvt.Ltd.	Engineer	July 2018 to Aug 2021

#### EDUCATIONAL QUALIFICATION:

Degree	Institution	University	Percentage
B.E (ECE)	Swarnandhra College of Engineering & Technology	JNTU-K University	63%
M.P.C	Narayana Junior College	Board of Intermediate Education, A.P	77.4%
SSC	Vikas High School.	Andhra Pradesh Secondary school Education	76%

#### ORGANIZATIONAL EXPERIENCE:

Project 1	ETSYS –Electrical Transmission System Software
Customer	ZF Technology
Tools	MATLAB, Simulink, State flow, Target link, MTest, Axivon, Model guide line checker(MXAM)
Task Description	Worked as model developer for various Transmission components functionalities likes Gear Shifts, Clutch Control and Overload Protection. Taken complete ownership of the Model Development from the given Change Request with pseudo code and example state charts.
Responsibilities	Requirement Analysis, model development, manual preparation of test case and MIL & SIL Simulation compression, Unit testing of the module through MTest, Integration test through Softcar & CATM

Project 2	ETSYS – Electrical Transmission System Software
Customer	ZF Technology
Tools	MATLAB, Simulink, State flow, Target link, MTest, Axivon, Model guide line checker(MXAM)
Task Description	Worked as model developer for improvement of model in functionality likes Power Flow change Sailing and Oil Management.
Responsibilities	Unit components using Simulink and State flow, Regression testing and Coverage enhancement (Decision Conditions, MC/DC)

Project 3	Autonomous Emergency Braking
Company	Next Page Technologies
Tools	MATLAB2016b, POLYSPACE
Task Description	Worked for various ADAS Features like Autonomous Emergency Braking (AEB), Autonomous Parking Assist (APA) Have done static code analysis and find bugs and potential errors using polyspace tool.
Responsibilities	Static code analysis , Models for Runtime Error Analysis

Project 4	Body control module (BCM)
Company	Next Page Technologies
Tools	MATLAB Simulink, Target link, Polyspace,
Task Description	Do polyspace run for frames that has been change from the previous version to the latest version
Responsibilities	Polyspace analysis, Overflow Check, DIVISION BY ZERO CHECK

#### **Achievements:**

- Received on the Spot Award for my contribution in on time delivery.
- Received Star Team Award for my performance and contribution to organization.

#### **PERSONAL DETAILS:**

- Father Name : K.Venkatarami reddy
- Mother name : K.Sujatha
- Date of Birth : 29-Aug-1995
- Nationality : Indian
- Marital Status : Single
- Languages Known : English, Telugu and Hindi.

**Place:** Hyderabad.

**Date:** (K.ChandrasekharReddy)