



# AVINASH NAGAI AH

MECHANICAL ENGINEER

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Vinayaka Nagar,  
Yelahanka



## EXPERIENCE

### VELECTRON LABS PRIVATE LIMITED

01-Jul-2021 - Present

### HINDUSTAN AERONAUTICS LIMITED

22-Jun-2020 - 22-Mar-2021

### VEERA VAHANA UDYOG PVT LTD

01-Aug-2019 - 01-Feb-2020



## EDUCATION

### REVA UNIVERSITY

2015 - 2019

### CHARAN'S PU COLLEGE

2014 - 2015

### MAHESH PU COLLEGE

2013 - 2014

### SRI GURU HARKISHAN PUBLIC SCHOOL

2012 - 2013

### Mechanical Engineer

Worked in R&D section as a Drafting Engineer and was majorly working on the new products and was using updated Autodesk AutoCAD Drafting Software. I was also involved in Design thinking, Structural Analysis and bill of material.

### Apprenticeship

1: Worked in AERDC Division for 6 months and was involved in Process planning and Drafting of the fixtures for the components of HTFE-25 Engine.

2: Worked in ARDC Division for 3 months under R&D section and was involved in improving and enhancing Structural Design and Structural Analysis of HAL Tejas mk1.

### Internship

Worked in Design and Development department. I was assigned as an Drafter and was involved in BIW Design of the company products. I was majorly using AutoCAD for all my drafting.

### B.Tech In Mechanical Engineering

Overall CGPA: 6.88 out of 10

### Pre University College /12th Standard

Score: 57%

### Pre University College / 11th Standard

Score: 66.8%

### SSLC / 10th Standard

Score: 82.24%



## PROJECTS

### ACADEMIC FINAL YEAR PROJECT

Nov-2018 - April-2019

### ACADEMIC JOURNAL PAPER

Nov-2018 - April-2019

### NATIONAL CONFERENCE

April-2019 - April-2019



## OTHER INFO

### Investigation On Influence Of Different Tool Pin Geometry On Mechanical Properties Of Weld Joints

Main Objective: To study the microstructure and determine tensile strength and micro hardness on the weld joint for all the samples using different tool pin geometry.

Different Tool Pin Geometry used: Square, Conical, Taper & Thread.

### Investigation On Influence Of Different Tool Pin Geometry On Mechanical Properties Of Weld Joints

Journal paper was published in JETIR ([www.JETIR.org](http://www.JETIR.org)) ISSN UGC

Approved ( Journal No: 63975) & 5.87 Impact Factor.

Published bin Volume 6 Issue 5-May-2019

Date of Publication: 23-May-2019

### Investigation On Influence Of Different Tool Pin Geometry On Mechanical Properties Of Weld Joints

Presented paper in National Conference on "Recent Trends in Mechanical Engineering-2019" (NCRTME-2019) held on 06th May 2019.

Conducted in Reva University, Bangalore, India.

#### Skills

AutoCAD, PTC Creo, Catia, Solid Edge, Matlab, Ansys, CNC programming.

#### Interest

Music, Travelling, Fantasy Movies

#### Certification

- 1: Autodesk Certified Professional in AutoCAD 2D Drafting by Autodesk
- 2: PTC Creo Certified Professional by Educadd, Yelahanka, Bangalore, India
- 3: Catia Certified Professional by Educadd, Yelahanka, Bangalore, India
- 4: Certified Matlab onramp and Simulink onramp by Matheworks
- 5: Autodesk Fusion 360 Certified by Autodesk

#### Languages

English, Telugu, Tamil, Hindi, Kannada

#### Workshops

- 1: Rotary Club Bangalore
  - > Rotary Youth Leardship Award Camp
  - > I am a winner
  - > Campian Rula
- 2: Vehicle Reconstruction by NITK, Surathkal
- 3: Automation Dynamics Workshop by ETG
- 4: Introduction to Motorsport by EDIFY
- 5: Introduction to ERP using SAP by SAP