THRINATH NELATURI

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ACADEMIC QUALIFICATION

YEAR	DEGREE	INSTITUTE	PERFORMANCE
2017-Present	M.Tech. (Industrial & Management Engineering)	Indian Institute of Technology, Kanpur	8/10*
2015	B.Tech. (Mechanical Engineering)	Indian Institute of Technology, Patna	6.78/10
2011	Class XII, A.P Board	Vidyadham Jr college	86%
2009	Class X, CBSE	D.A.V Public School	80.02%

* Until semester 1

Academic INTERNSHIP

*Done **Internship** at **DRDO RCI** Hyderabad*

➢ Designing of a <u>Back Pressure Regulator</u> which is used in cooling system of a sensor in Ballistic missiles.
➢ Made a *Solid Works* model of Back Pressure Regulator with exact outer dimensions.

ACADEMIC PROJECTS

- *Participated in <u>SAE BAJA</u>*:
  - ➢ Studied and gained knowledge about *Transmission system* in cars such as *Continuously Variable Transmissions*.
- Project: Made an experimental setup for IIT PATNA (*B.tech Project*) on:
  - ➢ Verification of <u>Archimedes' principle</u>.
  - ➢ Determination of <u>Metacentric height</u> of Boat shaped bodies
- <u>Recruit Restaurant Visitor Forecasting(Course: Data Mining)</u>:
  Data Analysis for Forecasting the number of Restaurant Visitors. The data was collected from Japanese restaurants.
  Training Data: no of visitors from Jan 2016 to most of Apr 2017
  Test data: from Apr 2017- May 2017
  Visualization, Feature relations, Forecasting are some of the main features of Data analysis done.
  Data Taken from :(https://www.kaggle.com/c/recruit-restaurant-visitor-forecasting) competition
- <u>Built a *Regression* model to predict factors affecting Cooling Load</u>(course: Statistical Modeling for business Analytics)
  Data source: http://archive.ics.uci.edu/ml/datasets/Energy+efficiency
  Description: Data contains 768 observations as objects and 8 variables as attributes. We have used data to examine the impact of relative compactness, surface area, wall area, roof area, overall height, orientation, glazing area, glazing area distribution on cooling load.
- *<u>FOMOcart</u>* (Online Shopping prototype) (Duration: Sep, 2016-Dec, 2017)
  - ➢ Gained knowledge on frontend software like Bootstrap & HTML and backend software like Oracle. Gained insights in Database Management System. This consist of basic functionality like: New user Registration, Different views for User and Admin, Browse by different Categories & Items, Add to Cart, View Cart, and separate option to Add Supplier, Category & Products(only for Admin).
  - ➢ My Github URL: *https://github.com/ThrinathNelaturi/FOMOCart*.
- <u>Design and manufacturing of *Geneva mechanism*</u> (IIT PATNA)
  - ➢ This mechanism is used in watches
  - ➢ Manufactured magnified model of Geneva Mechanism.

COURSEWORK & SKILLS

Relevant Courses	Operational Research	Design of Production Systems	Probability & Statistics	Java Enterprise Apps with Devops
Technical Skills	Python	R |JAVA	SQL	HTML	MS Office	SolidWorks	Adams	AutoCAD
Courses Attending	DATA Mining	Statistical Modeling for business Analytics	Computer aided decision systems	Software project management	Deep Learning (Corsera)

AWARDS & ACHIEVEMENT

Extra-Curricular	• Played volleyball representing IIT Patna for 2 yrs. in Inter IIT- Sports Meet

LinkedIn Profile: https://www.linkedin.com/in/thrinath-nelaturi-27616159/.