



Mathemsetty Sindhura Lakshmi
M.Sc in Mathematics and Statistics
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Education Details

| Program | Institute | Year | %/CGPA |
|---|---|------|--------|
| M.Sc Mathematics and Statistics (Pursuing) | Indian Institute of Technology Tirupati, AP, India | 2021 | 8.53 |
| B.Sc Mathematics, Statistics and Computer Science | Kakarparthi Bhavanarayana College, Vijayawada, AP, India. | 2019 | 98% |
| Intermediate (Mathematics, Economics, Commerce) | Kakarparthi Bhavanarayana College, Vijayawada, AP, India. | 2016 | 96.2% |
| SSC | Sri Telaprolu Raja English Medium High School, Vijayawada, AP, India. | 2014 | 95% |

Areas of Interest

- Regression analysis, Probability theory, Statistical Inference, Programming, Data Science, Economics and Commerce

Technical Proficiency

Programming Languages : C, Java , HTML, SQL ,Python, R.
Software/Tools : Minitab, LaTeX.
Operating Systems : Windows(Microsoft Office)

Experience

- Data Science Intern / The Sparks Foundation**
 (Guide : Gradual Rotational Internship- Virtual Program) [September 2020 - October 2020]
 - It helped me to get insights on important machine learning models and analyze some of the real world data. It encouraged to understand Algorithms to enable predictive modelling.
- Field Operation Division Intern / MoSPI-NSO**
 (Guide : Shri S.S.N. Murthy, Assistant Director, NSO (FOD) RO) [July 2020 - September 2020]
 - Familiarized to Official Statistical System in India. Exposed to MoSPI activities and surveys undertaken by it. Trained for field Operations. Gained knowledge on concepts like procedure of designing surveys, sampling methods to be followed, process of releasing unit level data and how survey reports are prepared.

Projects

- OFFICIAL STATISTICAL SYSTEM PREVAILING IN INDIA**
 (Guide : Shri S.S.N. Murthy, Assistant Director, NSO (FOD) RO) [July 2020 - September 2020]
 - Abstract:** This project is related to the Official Statistical System of the country with specific reference to data collection, Processing & analysis, publication and dissemination needs. It is also enclosed with topics like methods used to conduct surveys in the country, how the entire process goes off and what inferences we get from surveys.
- THE SAMPLE SURVEY ON YOUTH PREFERENCES AND EXPENDITURE ON BIKES**
 (Guide : Ms.Y.JHANSI LAKSHMI, Lecturer, K.B.N College) [January 2019 - April 2019]

- **Abstract:** Over a sample of 300 college students a survey was conducted on "youth preferences and expenditure on bikes". First the objectives of survey are listed down and then survey is done by "written questionnaire" following Simple Random sampling without replacement method and inferences were drawn using SPSS Software.

• Covid India Analysis - Jovian

(Guide : Aakash N S - Instructor)

[September 2020]

- **Abstract:** The objective is to select a real-world data, then using Numpy & Pandas to parse, clean & analyze data and Matplotlib & Seaborn for creating visualizations to answer questions on demand related to data set.

Relevant Courses

- Operations Research
- Linear algebra
- Machine Learning*
- Non- Parametric Statistics*
- Statistical Finance*
- Industrial Statistics and Optimization Management
- Statistical Finance*
- Bayesian Statistics*
- Multivariate Statistical Analysis*

* to be completed December 2020

Achievements

- Recipient of "Dr. A.P.J.Abdul Kalam Vidhya Puraskar 2019" by Ministry of Education ,Andhra Pradesh, India.
- Awarded "Silver Medals and cash prize in memories of SRI K.V.SUBBARAO, SRI PISA SATYANARAYANA" for scoring Highest marks in all UG courses B.Sc.
- Awarded a "Silver Medal in memory of SRI VISSAMSETTY SUBBARAO" for securing Highest marks in B.Sc. 1st year.
- Awarded a "Silver Medal in memory of N.HANUMAYAMMA" for securing Highest marks in Commerce in Jr.Intermediate.
- Received a "Meritorious Medal in SSC" by Minister Shri Kesineni Nani, Andhra Pradesh.

Positions of Responsibility

Career Development Representative, IIT Tirupati

[2020 - 2021]

- Coordinating with career development cell activities by conducting workshops for M.Sc students required for developing skills and also coordinating placement officer in organizing webinars by persons experienced in Industries.

Vice President for Student Council, K.B.N College

[2018 - 2019]

- Coordinating with the management of college in fulfilling students requirements regarding development skills and proper infrastructure for quality education.

Member in F2 Foundation, Service Oriented Society

[From 2018]

- Fund raiser, exhibit drawings for promotions in rural areas.

Extra Curricular activities

- Drawing (Received 1st prize in district level competitions - under 18 for 2016 - 2017)

Hobbies and Interests

- Cooking, Singing,