

# MANOGNA THUMUKUNTA

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## PROFESSIONAL SUMMARY

As a data enthusiast with professional experience in handling data using ArcGIS, SAP, and Microsoft applications such as Excel and PowerBI, I have a demonstrated ability to refine, summarize, and collect data while developing effective strategies and solutions to generate valuable insights. With strong analytical and problem-solving skills, I am committed to delivering high-quality data-driven solutions that drive business success.

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## EDUCATIONAL QUALIFICATION

**Iowa State University, Ames, Iowa** | CGPA – 3.88

Masters in Information Systems and Business Analytics

May 2023(Expected)

MS Computer Science Courses:

Advanced Algorithms, Cloud Computing, Software System Safety, Distributed Systems, Principles of AI

August 2021-May 2022

**Sreenidhi Institute of Science and Technology, Hyderabad, India** | CGPA – 9.7/10

Bachelor of Technology in Computer Science

August 2016 – June 2020

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## CERTIFICATIONS

**Esri GIS and ArcGISPro** Fundamentals Certificate

**NPTEL** Online Certification in Problem solving through programming in C

**Tech IT** Global Certification in Machine Learning

Training and Internship in Machine Learning by SmartBridge Pvt. Ltd. In collaboration with IBM

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## TECHNICAL SKILLS

**Programming Languages** : Python, Visual Basic, C, SQL, HTML, CSS, JavaScript, R, XML, PHP, Java, PowerShell

**Machine Learning** : TensorFlow, sci-kit learn, Google cloud ML Engine, Anaconda, ETL

**Databases** : MySQL, MS Access, Oracle, Relational Database Management, SQL Server Management Studio

**Platforms** : ArcGIS, SAP, Excel, Informatica, Rational Software Modeler, AWS, Bootstrap, IBM Watson, Tableau, Weka, PowerBI, JMP, Snowflake

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## WORK EXPERIENCE

**Graduate Research Assistant at Institute for Transportation, Iowa State University.**

August 2022 – Present

- Building, performing Analysis on Transportation Data using ArcGIS, PowerBI, SQL etc. Constructing models to analyze aspects in the data.
- Using Visual Basic in excel, HTML and JavaScript to create interactive webpages.

**DevOps Engineer Intern** at Proplanner Inc

May 2022 – August 2022

- Creating automation solutions for DevOps process, updating and packaging builds and Databases

**Application Development Associate** at Accenture Solutions Pvt. Ltd., Hyderabad

December 2020 – July 2021

- Continuously developing, maintaining and providing efficient solutions on SAP FICO ERP platform

**Web Development Intern** at Illusionz Media Pvt. Ltd.

June 2019 – July 2019

- Developing and deploying an e-commerce website using technologies like HTML, CSS, JavaScript, PHP, and Bootstrap.

**Machine Learning Trainee and Intern** at SmartBridge Solutions Pvt. Ltd.

May 2018 – June 2018

- Developing Predictive and Analysis models using Machine Learning for projects like Movie Review Analysis and Number Prediction

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## PROJECTS

**FriBo – A friendly chatbot**

An AI Sentiment and Text Analysis software trained to watch out for emotional parameters in conversation and respond accordingly as per code.

**Flight fare predictor**

A Machine Learning model that predicts the flight fare value based on various factors like the day of the week, season, month, holidays etc.

**Project to Diagnose Severe Acute Malnutrition**

Mobile Application that uses Machine Learning models to diagnose Severe Acute Malnutrition and helps users find the nearest Nutrition Rehabilitation Centers. The project developed during Smart India Hackathon considers factors like Body mass index, age, sex, Birth weight etc

**Hale**

A mobile application to help diagnose and alleviate various mental illnesses. Along with diagnosing the user, the application provides various means to help users through self-help videos, scheduling an appointment with a psychiatrist and mental stress relieving videos.

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## EXTRA CURRICULAR ACTIVITIES

Participated in SIH -2019(Smart India Hackathon) a 36-hour Hackathon, 2<sup>nd</sup> – 3<sup>rd</sup> March 2019

2<sup>nd</sup> RunnerUp in Student Innovation Competition at SNIST for the idea Disha - a tool to help guide blind people, February 2019

Treasurer for the TechVision Club(2018-2019) and Organizing member for the College fest Rigolade.

Member of Information Systems and Business Analytics Club, Data Science Club at Iowa State University