

BIBIND VASU

DATA SCIENCE & SPATIAL STATISTICS

CONTACT

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PROFILE

Experienced project management professional with Data Analytics and Data Science skills

EDUCATION

2018-2020

UNIVERSITY OF CHICAGO

MS in Environmental Science and Policy

2006-2008

INSTITUTE OF RURAL MANAGMENET ANAND

Master of Business Administration

1998-2002

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

Bachelor in Civil Engineering

MANAGEMENT SKILLS

- Project Management & Systems development
- Financial analysis & Business development
- Trello, Git, Excel, PowerPoint, Word

TECHNICAL SKILLS

- Machine Learning
- Advanced Analytics
- Principles of Data Modelling
- Natural Language Processing
- Statistics and Probability
- Data Visualization-Tableau, Looker
- Distributed/Cloud Computing
- Python, R, SQL, STATA, Hadoop, AWS, Azure, Command Line, SAS, Google Big Query, MongoDB, Neo4j, MATLAB, MAXQDA, basic UNIX, QGIS

EXPERIENCE

2018 - PRESENT

Research Assistant | Teaching Assistant | University of Chicago

Current Projects

- Developing new-energy efficiency tool and metrics for buildings in Chicago with Python and SQL; Develop and deliver custom dashboards
- Building a climate emulator with CMIP 6.0 bigdata to predict climate variables using Python, R, GIS and spatial statistics

Past Projects

- Develop models as part of quasi experimental study on air quality and Chicago bus routes; regression models and spatial statistics in R & GIS
- Perform EDA and feature engineering to both inform the development of machine learning models for predicting new Whole Food locations
- Developed qualitative summary evaluation materials of Japanese American internment history; Manage, process and code in MAXQDA
- Application of georeferencing tools to add spatial referencing Chicago 1919 riots imagery in QGIS; Interactive geocoding and spatial joins

June 2019 - September 2019

Qualitative data analyst | Mission Measurement (Chicago)

- Qualitative analysis and coding of 200 workforce development and early childhood education; highlighted promising intervention areas

August 2017 - August 2018

Project Manager | Kudumbashree Mission (India)

- Led Project Management Unit of 8 officers and 800 community staff, provides strategic direction and shape future implementation strategy; systems development, innovations and outcome monitoring

September 2014 – August 2017

Project Manager | Kudumbashree Mission (India)

- Served as state lead for DDU-GKY & NRLM of, Government of India (Gol); Complete ad-hoc MIS and statistical analysis using Excel to assist in the implementation of new projects and decision-making processes
- Awarded for 3rd best performance 2016-17 by Government of India

September 2013 – September 2014

Assistant Manager | UL Technology Solutions (India)

- Set up the procurement and operations vertical for GIS projects; Participation in life cycle phases- vehicle tracking , electricity reforms, tax mapping, Urban slum mapping and preparation of DPR

2008-2012

Leadership & Management

- Driving strategy, stakeholder consultation for Kerala Government anti-poverty project rollouts, monitoring and outcomes evaluation
- Develop, lead and manage a Procurement function that effectively engages and influences the Business; develop annual budgets, bids
- Substantive knowledge and practical experience in policy analysis, monitoring & evaluation and social sector programming
- Led the design to commissioning of \$6.9 M civil construction works package for 2 X 77 MW Thermal Power Plant; ISO Certification works