

BANDA NIKITHA

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY

Aug 2020 – Dec 2021

Master of IT in Business (Analytics Track)

- GPA 3.6/4.0
- Main Courses: Applied Machine Learning, Algorithm Design, Statistics in R

VASAVI COLLEGE OF ENGINEERING

Sep 2014 – May 2018

Bachelor of Engineering in Computer Science and Engineering—Hyderabad, India

EXPERIENCE

Monarch Info Tech Services – Singapore

Jul 2018 – Jul 2020

A service-based company that extends strategic consulting, end to end ECM and BPM integration services

Software Engineer (Jul 2019 – Jul 2020)

- Worked productively with product team to understand the requirements, developed a batch file handling structured data and produced excel files for purpose of analyses
- Designed the development execution flow for a project and successfully implemented it
- Presented and explained to clients different technical approaches and licensing requirements to achieve specific goal (preventing delay of 15 days for production)
- Constructively coded software changes and alterations based on the compatibility of programming language with upgraded product
- Evaluated junior colleague's codes and guided on best techniques to follow in workplace with respect to programming

Associate Software Engineer (Jul 2018 – Jul 2019)

- Developed a program to retrieve large sets of structured data that are further formatted to be written into required file format for analyses purpose
- End to end understanding from code deployment to project handover
- Helped other developers test code, identify and resolve any errors by analyzing the logs
- Familiarized with unit testing and system integrated testing

ACADEMIC PROJECTS

Fake Job Posting Detection (Applied Machine Learning)

- Designing various classification models such as logistic regression, One Class SVM, Random Forest Classifier along with tackling imbalanced dataset by ensemble method and evaluating them

Forces and Factors Driving Global Terrorism – Insights for a Safer World (Statistical Analysis in R)

- Understanding relationship between variable factors impacting the occurrence of terrorism by applying descriptive statistics and testing the findings with inferential statistics in R by building an optimized linear regression model
- Created a RShiny application for interactive descriptive analysis

COE Pricing Model (Microsoft Excel)

- Modelled a time series forecast to predict future COE prices based on supply and demand chain by simulating historical data patterns for model's inputs and implementing regression, what-if analysis and other computational techniques

ADDITIONAL

• Technical Skills:

- Programming Languages -> Java, Python, C, R, Typescript
- Frameworks -> Angular, Spring Boot, Servlets, RShiny
- Database Languages -> SQL (Oracle DB)
- Web Technologies -> HTML, CSS
- Software -> JMP Pro, SAS Enterprise Miner, Microsoft Excel

• Language fluency: English, Telugu; Conversational: Hindi

• Volunteer Work:

- Elected as a Director for 'Hyderabad Youth Assembly' to lead a team of 30 to plan and execute ways to achieve team's goal 'Environmental Sustainability' (2016)
- One of the core organizing committee member for a charity event, where Rs.1,50,000 was raised for the renovation of a government school (2017)

• Work Authorization: Singapore (PR), India (Citizen)