

Karthikeyan Balasubramaniyan

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EDUCATION

University at Buffalo – SUNY, Buffalo – NY
MS in Electrical Engineering (VLSI) | **GPA: 3.80/4.00**

Aug '17 – May '19

Anna University, Chennai, Tamil Nadu – India
B.E in Electrical & Electronics Engineering

Jul '12 – May '16

TOOLS AND TECHNOLOGIES:

- QLIKVIEW
- TABLAEU
- SQL
- PYTHON
- C/C++
- ADVANCED EXCEL
- MACHINE LEARNING
- IBM WATSON STUDIO
- DIALOGFLOW
- GITHUB

CERTIFICATIONS:

- IBM - Open source tools and Methodology for Data Science
- IBM – Database and SQL for Data Science
- IBM – Data Visualization and Data analysis with Python
- IBM - Machine learning with Python
- Google – Crash Course on Python
- University of Michigan – Python for Everybody

PROJECTS:

GOOGLE ASSISTANT CHATBOT DEVELOPMENT:

Developed a chatbot agent using google's dialog flow and integrated with google assistant.

Developed flask RESTful service and hosted using Github and Heroku.

Know-how of Intent Classification, entity extraction, custom entities in Dialogflow.

REAL ESTATE PRICE FORECASTING:

Analyzed and predicted housing prices using attributes or features such as square footage, number of bedrooms and number of floors etc.

Technology/Tools: IBM Watson Studio

Methodology: Linear Regression

CREDIT DEFAULTER CLASSIFICATION:

Analyzed and classified loans on the likelihood of loans being paid or not paid

Technology/Tools: IBM Watson and Qlikview

Methodology: Decision Tree

TEXT MINING WITH AMAZON CUSTOMER REVIEWS:

Used text mining to get meaningful and actionable insight for merchants selling on amazon.