

Biswas Nandamuri

Norman, OK, USA

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EDUCATION

University of Oklahoma, Gallogly College of Engineering

Norman, OK, USA

Masters in Data Science and Analytics

Feb 2022 - May 2023

- Cumulative GPA: 4.0/4.0
- Relevant Coursework: Machine Learning, Text Analytics, Advanced Analytics and Metaheuristics, Intelligent Data Analytics, Statistics, Probability & Discrete Mathematics, Database Management Systems

La Trobe University

Melbourne, VIC, AUS

Masters in Computer Science (MICT)

Feb 2017 - Jan 2019

- Cumulative GPA: 3.7/4.0
- Golden Key Honour Society Scholarship (\$1000 awarded for top 5% of the program)

EXPERIENCE

Graduate Research Assistant

Norman, OK, USA

Data Institute of Societal Challenges (University of Oklahoma)

Feb 2022 - Present

- Led a team of three Research Assistants
- Planned and developed multiple NATO (North Atlantic Treaty Organization) funded projects collaborating with researchers at the University of Italy
- Built and deployed multiple REST APIs and tools (Pinger and Emailer) for SMART (Social Media Analytics and Reporting Toolkit) web application
- Trained, and deployed ML applications that performs relevance analysis and various NLP tasks on Twitter data
- Code reviewed multiple new Python projects to create cleaner, readable, and efficient code with minimal errors

Technicode, Inc.

Chicago, IL, USA

Software Engineer

Oct 2020 – Dec 2021

- Designed and developed a full stack custom CRM to a mortgage company using ASP.NET Core 3.1 and deployed the application using IIS on an AWS EC2 instance
- Planned and implemented a secure system on AWS which involves various AWS services like EC2, VPC and Route 53
- Built high-performant and scalable business applications using .Net to act as an interface between loan origination software (Calyx) and the custom CRM

Brimbank City Council

Melbourne, VIC, AUS

Software Engineer Intern

Feb 2020 – Aug 2020

- Developed a web application to automate the M1 process of establishing a data synchronization between state and council data
- Used technologies like Python's Flask (Backend API), Pandas (Data Analytics), and JavaScript's React (Frontend) to develop a scalable and modular application

SKILLS

- **Programming:** Python, R, SQL, C, C#, C++, HTML, CSS, JavaScript, Golang (exposure)
- **Machine Learning & Data Science:** PyTorch, Tensorflow, Hugging Face, Scikit-learn, Pandas, SpaCy, NLTK
- **Tools & Techniques:** CRISP-DM, Statistics, REST APIs, Docker, .Net, REACT JS, AWS, Flask, Git, RStudio

PROJECTS

Information Redactor (Creator) - github.com/Biswas-N/Redactor

- Built a data pipeline that can redact sensitive information (Names, Phone Numbers, Genders, Dates) using Natural Language processing tools and techniques like Spacy, Nltk, Tokenization and Lemmatization
- **Used:** Python, Spacy, NLTK, RegEx, Pyap, Anaconda

Cuisine Predictor (Creator) - github.com/Biswas-N/Cuisine-Predictor

- Developed a ML application that takes in a list of ingredients and predicts the cuisine and similar meals
- Uses unsupervised ML models (persisted using Pickle) like LinearSVC and kNeighborsClassifier to predict the cuisine and similar dishes from the Yummly catalog
- **Used:** Python, LinearSVC, kNeighborsClassifier, Scikit-Learn, Pandas, Pickel

Customer Revenue Prediction (Kaggle Competition) - github.com/Biswas-N/CustomerRevenuePrediction

- Built ML models to predict Customer's revenue generated based on various dependent variables
- Pre-processed Transaction level data using Tidiverse and converted the data to Customer level data by various summerization techniques
- **Used:** R, Tidiverse, Caret, Lubridate, k-fold cross-validation, Linear Discriminant Analysis, Multivariate Adaptive Regression Spline

References available upon request