PRATHAMESH PANDIT

pppandi2@ncsu.edu

Raleigh, NC - 27606 | 919-637-4580 | linkedin.com/in/prathameshpandit/ | github.com/xprathamesh

EDUCATION

North Carolina State University, Raleigh, NC
Master of Computer Science (pursuing a track in **Data Science**), Anticipated May 2021   *GPA: 4.0/4.0*

University of Mumbai, India
Bachelor of Engineering (in **Computer Engineering**), May 2017   *GPA: 3.57/4.0*
Coursework: Algorithms, Foundations of Data Science, Software Engineering, Automated Learning & Data Analysis, Deep Learning, IOT Analytics, Database Management Systems, Advanced Machine Learning, Computer & Network Security

WORK EXPERIENCE

Software Engineer Intern, *Salesforce.com inc.,* *Indianapolis, IN*   May 2020 – August 2020
- Was part of the Customer Data Platform (CDP) Service Delivery Team for Salesforce's Marketing Cloud platform.
- Developed the Maddog Resolver service and deployed it into production. Service was written in golang, built using docker, packaged using helm and deployed into Kubernetes clusters with Istio in AWS using Spinnaker pipelines.
- Performed dynamic in-cluster modifications to Kubernetes objects using client-go library for interacting with the Kubernetes API.
- Worked on implementing external JWT validation for CDP's Authentication Service by extending Envoy's API and implementing it using gRPC in Java.

Software Engineer, *Atos, Bengaluru, India*   June 2017 – December 2018
- Developed a customized Salesforce Sales Cloud application for simplifying dataset purchase process. Worked extensively in development, testing and deployment of the system.
- Created data models. Created automations by writing Apex Triggers and by using the Process Builder. Performed thorough unit testing for apex classes and achieved an overall test coverage greater than 90%.
- Developed Salesforce Lightning Components using the Lightning Component Framework. Performed REST Web Service Integration with JIRA.
- Collaborated with members in highly Agile teams to incorporate modifications to customer requirements.

PROJECTS

- **Git Answer Bot for Stack Overflow:** Implemented an answer bot on Stack Overflow that responds to new GIT related questions with an answer linking to an existing similar, previously answered question. Uses NLTK and scikit-learn to calculate Tf-idf and cosine similarity, to identify the most similar previously answered question in the Stack Overflow dataset hosted on GCP BigQuery.
- **Natural Language Processing - Spoiler Detection in Movie Reviews:** Performed spoiler detection in IMDB movie reviews using two RNN based approaches. First using Manhattan LSTM and second using Enhanced Sequential Inference Model (ESIM). Latter approach yielded better results by detecting spoilers with an f-1 score of around 63%**.**
- **Deep Learning - Image Colorization:** Trained models using architectures based on Transfer Learning and Auto-encoders on the Imagenet dataset to convert grayscale images into RGB ones using Keras.
- **Adwords placement using Bipartite Matching**: Solved adwords placement problem by implementing Greedy, Balanced and MSVV algorithms to obtain overall most profitable adwords placement with highest competitive ratio.
- **Frequent Itemset Data Mining using Map-Reduce**: Performed Frequent Item-set Mining on uncertain data, implemented using the Map-Reduce programming model. Published as "**Uncertain Big Data Strategical Miner**", in the International Journal of Computer Sciences and Engineering.
- **Machine Learning Classifier:** Implemented a Cancerous Tumor classifier using 'gene expression cancer RNA-Seq Data Set' to create, compare and help select best classification model from algorithms like Logistic Regression, LDA, KNN, CART, Naive Bayes & SVM using K-Fold Cross Validation, and classified tumors with accuracy over 96%.

SKILLS

Languages:	Python, Java, Golang, SQL, Apex
Cloud Technologies & CI/CD:	Kubernetes, Docker, AWS (EC2, EKS), Helm, Istio Service Mesh, Spinnaker
Frameworks & Libraries:	gRPC, pandas, NumPy, scikit-learn, TensorFlow, Keras, NLTK
Tools & Technologies:	Oracle, MySQL, GIT, Jupyter Notebooks, Google Colab, Anaconda, JIRA, Confluence
Certifications:	**Deep Learning Specialization** (Coursera), Salesforce Certified (Platform Developer I, Platform App Builder), Oracle Associate (Java SE 7, Database 11g: SQL Fundamentals)