ARINJAY JAIN

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Available: May - Sept 2022

EDUCATION

Northeastern University, Khoury College of Computer Sciences — Boston, MA
Master of Science in Artificial Intelligence — Expected May 2023
Related Courses: Computer/Human Interaction, Foundations of Artificial Intelligence — **GPA: 3.67**

Vellore Institute of Technology — Vellore, Tamil Nadu
Bachelor of Technology in Information Technology — May 2020
Related Courses: Applied Linear Algebra, Artificial Intelligence, Machine Learning, Soft Computing — **GPA: 8 / 10**

SKILLS

Programming Languages: Python | C# | C++
Technologies: Amazon Web Services | Linux | GitHub | Docker
Soft Skills: Scrum | Agile | GitHub | Kanban
Libraries and Software: Keras | TensorFlow | PyTorch | Data Structures | Object Oriented

WORK EXPERIENCE

Institute of Informatics and Communications, University of Delhi South Campus — New Delhi
Analytics Intern — July 2020 - March 2021

- Built dashboards for over 10 modules to show information in an analytical and easily understandable way to multiple stakeholders with functionality to query specific documents quickly due to full text search
- Led implementation of an ELK (Elasticsearch, Logstash, Kibana) stack through use of AWS technologies such as - EC2 Linux instances, S3 storage, Lambda, CloudWatch Insights and SNS / SQS to push information real time from the Samarth database
- Samarth contained data from across hundreds of public universities across India about students, employees, equipment, vehicles, and other university specific information

Bharti Airtel Limited — Gurgaon, Haryana
Intern — May 2018 - July 2018

- Led a team of 3 interns to develop and incorporate a new "Coaching Conversation" module using React Native framework for the existing internal Airtel HIVE application – including user interface and connection to the HIVE app through an API

RELEVANT WORK

Movie Genre Prediction — September 2021 - December 2021

- Implemented 3 machine learning classifiers on synopsis of movies to predict genre of the given movie
- Term frequency inverse document frequency was used to get features for LinearSVC, Multinomial Naive Bayes and Logistic Regression
- An accuracy of around 34% was obtained, the results were compared on genre classification against Convolutional Neural Nets on posters and LSTMs on movie reviews of the IMDB dataset

Berkeley Pacman Projects — September 2021 - December 2021

- Implemented logic for Pacman search agents using search algorithms such as BFS, DFS, A* search, greedy search etc
- Solved Pacman adversarial agent problems by implementing algorithms such as min-max, expectimax, alpha beta pruning etc
- Utilized various reinforcement and machine learning algorithms (Q-learning, non-linear regression) to solve Pacman problems

Human Gender Detection — July 2019 – November 2019

- Created a Convolutional Neural Net with the SmallerVGGNet architecture to extract features from human faces
- The CNN model was able to determine the gender of a person through a webcam in real time with a rough accuracy of 85%

Optical Character Reader for Blurry, Broken and Plain Text — December 2018 – May 2019

- Processed images with text on it and extracted text through the use of a back propagation neural network with an accuracy of 90%
- Displayed use case in multiple real-world scenarios from traffic light plate readings to digitalizing old paper healthcare records

CERTIFICATES

Machine Learning, Data Science and Deep Learning with Python – 2019
Natural Language Processing with Python - 2019