

Aditya Dalvi

SOFTWARE DEVELOPMENT ENGINEER · AMAZON

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Work Experience

Amazon Pay, Selection and Influencing

Bangalore, India

SOFTWARE DEVELOPMENT ENGINEER

Jul. 2021 - Present

- Implemented and launched the consent collection framework for token based card saving for Amazon India after RBI COF guidelines.
- Designed, implemented, and launched the expired token renewal framework for Amazon retail business.
- Successfully tokenized over 10 M cards and renewed 230k tokens to date.
- Active Amazon Interviewer.

Amazon Pay, Cards Experience

Bangalore, India

SOFTWARE DEVELOPMENT INTERN

Apr. 2020 - Jun. 2020

- Interned with the Cards Amazon Pay team to build a serverless application using AWS Lambda to toggle 3DS vs non-3DS card transactions.

Capgemini, Utility Sector Engagement

Bangalore, India

QA INTERN

May. 2019 - Jun. 2019

- Interned at Capgemini under the Singapore-Power project as a tester. Learnt and applied the fundamentals of testing using the SAP-ISU and HP-ALM environments.

Projects

Performance Evaluation of Term Weighting Schemes for Sentiment Analysis

Guide : Biju R. Mohan

Jan. 2019 - May. 2019

- Performed sentiment analysis using the word weights obtained from conventional term-weighting schemes like TF-IDF, TF-ICF and Mutual Information using ML classifiers like logistic regression, support vector machines etc.
- Performed a controlled experiment keeping the preprocessing steps same for every combination of term-weighting scheme and classifier
- Evaluated the performance of the models on different real-world scenario datasets - movie reviews, election opinions, and food reviews
- **Link:** github.com/aimananees/PM-Project

Query quality prediction on sourcecode datasets for text retrieval

Guide : Biju R. Mohan

Aug. 2020 - Dec. 2020

- Performed query quality prediction for the text-retrieval problem on source code datasets.
- This saves developers the time and frustration of analyzing irrelevant search results and also eliminates the processing/computational effort of badly rated queries.
- Trained machine learning classifier on 21 Mathematical metrics (like IDF, ICTF, Entropy, Simplified Clarity Score etc) to predict the quality of the given query.
- **Link:** <https://github.com/Aditya7799/Text-Retrieval-for-Software-Engineering-Tasks>

Generating graph embeddings for hypergraphs

Guide : Ananthanarayana V. S.

Aug. 2020 - Mar. 2021

- Developed an effective deep learning embedding generation framework for Hyper-graphs using curriculum learning
- Approximated a hypergraph to a normal graph using hypergraph laplacians and compared the performance of our model against SOTA models like Adaptive Graph Encoder and HyperGCN.
- The embeddings generated by the proposed model performed better (by 2-5%) for tasks like node classification and node clustering on hypergraphs

Publications

Performance Evaluation of Term Weighting Schemes for Sentiment Analysis

Madurai, India

IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND CONTROL SYSTEMS 2019

Education

National Institute of Technology, Karnataka

Mangalore, India

BACHELOR OF TECHNOLOGY (B. TECH), INFORMATION TECHNOLOGY(IT)

May. 2021

- CGPA: 8.7/10.00

RV PU College, Bangalore

CLASS XII (SENIOR SECONDARY EXAMINATION)

- Aggregate : 94.2

Bangalore, India

Mar. 2017

Ryan International School, Bangalore

CLASS X (SECONDARY EXAMINATION), ICSE

- Aggregate 93.5%

Bangalore, India

May. 2015

Certifications

Deep Learning Specialization

COURSERA

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks

Natural Language Processing Specialization

COURSERA

- Natural Language Processing with Classification and Vector Spaces
- Natural Language Processing with Probabilistic Models
- Natural Language Processing with Sequence Models
- Natural Language Processing with Attention Models

Extracurricular Activity

Technical

Sept. 2022 **Amazon Pay, India-Wide Hackathon**, 1st Place

Feb. 2019 **Smart India Hackathon**, College Representative, Runner up

Jan. 2021 **EinsteinPy**, OpenSource Contributor

Bangalore, India

IIT-Roorkee, India

Others

MEMBER

- Black Dan 2 Shito-Ryu at Ken-El-Mabuni Karate School of India.
- 2X Gold Medalist in Karate State Level Championship.
- Abacus GrandMaster and National Level Prefinalist.
- Amateur Journalist, Beyond Breaking News in Affiliation to RiMDE.