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Experience

Machine Learning Engineer in Mad Street Den - October 2018 to present.

I have developed a rule based supervised classification algorithm in Python which classifies given catalog data (text) into categories (upto three hierarchical levels in the form of category-sub category-sub sub category) trained on input data like Title, Brand, Manufacturer, etc with objective output data (hierarchical categories). Various pre-processing steps were performed before training and the training algorithm is designed in such a way that the time taken by the algorithm to train on each catalog is less than 3 seconds. The back bone of the algorithm is primarily hashing of data in dictionaries and using it to perform pattern recognition.

I worked on implementing a category listing page with Apache Solr (Open Source Search Platform). It primarily involves designing a distributed system to enable the users with options to navigate through the website using search facets (with counts which changes dynamically based on facet selection and deselection) and search filters to refine the search space. The results from Solr were served through Nginx server from Django applications with uWSGI as Web Server Gateway Interface which are hosted in AWS Cloud Platform.

Member Technical Staff (iOS Mobile Developer) in Zoho Corp - May 2017 to September 2018.

I have one year experience as Member Technical Staff (iOS Mobile Developer) in Zoho Corp (Zoho Books team). I have developed Receipts, Advance Payments and Approvals, Trips modules in Zoho Expense iOS app.

Implemented prototype of a feature which enables users to create expenses in Zoho Expense iOS app using voice commands in Zoho iOS Hackathon (2018) and was placed in top 7.

Project Trainee Intern in Zoho Corp (iOS Developer in Zoho Books team) - November 2016 to April 2017.

Developed Zoho Invoice Generator app in iOS (using Swift) which enables users to create invoices online and share it with intended recipents.

I took some classes during my final semester (**2017**) for students on how to **solve competitive programming problems**.

Education

Completed Electronics and Communication Engineering (ECE) in RMD Engineering College (Anna University Affiliated) with a CGPA of 8.78 / 10 in the year 2017.

Completed Higher Secondary Schooling in St. Marys Matriculation Boys Higher Secondary School with 91.83% in the year 2013.

Achievements
Programming

Achieved four star rating in competitive programming contests in CodeChef in May 2018.

Achieved a global rank of 285 in CodeChef June CookOff 2018 Division 1 contest (Competitive Programming).

Achieved a global rank of 126 in CodeChef May Challenge 2018 Division 2 contest (Competitive Programming).

Achieved a global rank of 71 in LoC (Lord's Of Code) contest in CodeChef, June 2018 (Competitive Programming).

Achieved a global rank of 243 in CodeChef April Lunchtime 2018 Division 2 contest (Competitive programming).

National Rank of 191 in CodeVita 2016 (Competitive Programming Contest).

TopCoder award winner in College (2016).

Rank of less than 300 in Project Euler Programming Contest (Mathematical Programming Contest) in March 2016.

Sports

College Chess Championship Winner**.**

4th position in Zoho Road Safety Marathon 2018 (7.5 km run).

Certifications

Completed foundation level in CCDSAP (CodeChef Certified Data Structures and Algorithms Program) in the year 2017.

Design And Analysis of Algorithms in NPTEL (March 2016).

Programming, Data Structures and Algorithms in Python in NPTEL (September 2016).

Machine Learning for Engineering and Science Applications in NPTEL (April 2019).

Deep Learning in NPTEL (April 2019).

Languages And Technologies

C++, Python, Java, C, Swift, Django, Apache Solr, Pandas library.