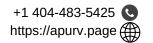
Apurv Priyam



apurvpriyam@gmail.com Atlanta, GA

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Master of Science in Computational Science & Engineering. CGPA: 3.86/4

Graduate Teaching Assistant for Data & Visual Analytics course

Indian Institute of Technology, Kharagpur, India

Bachelor of Technology (Hons.) in Industrial Engineering. CGPA: 8.2/10

Aug 2019 - Dec 2020

Jan 2020 - Present

Aug 2012 - Jul 2016

WORK EXPERIENCE

Summer Intern, Western Digital

Jun 2020 - Jul 2020

- Information Extraction from invoices (Independent research project)
 - Developed Tensorflow Bi-LSTM model for entity recognition (0.93 F1); Used Tesseract & OpenCV for OCR
 - Created word embedding by concatenating GloVe embedding & outputs from another Bi-LSTM layer trained on character embedding of the word's characters
 - Created Flask application to load invoices in batch, extract, check and update information
- Automated Contract Review (Independent research project)
 - Built layer of models to first identify risky clauses using BERT (0.84 F1); then classify it into 8 types (0.91 F1)

Data Scientist, ZS Associates

Jul 2016 - Jul 2019

- Among top 10% of the batch to receive promotion in 4 semesters
- Initiated and led a program to automate tasks by creating libraries and products
- Trained colleagues, including seniors, on R programming, Genetic Algorithm, and Machine Learning
 Key projects
 - Next Best Action Improved sales by 4% and marketing channel engagement by 25%
 - Optimized sequence of marketing channels, personalized for each customer & subject to constraints
 - Used Genetic Algorithm with Deep Learning (CNN+Dense layer) model as its fitness function
 - Applied Collaborative Filtering to find customer's affinity for each marketing channel
 - Attribution Modeling App Cut down timelines by 1-2 weeks; Acquired new businesses
 - Independently created R package & R Shiny App to automate data processing, exploration & modeling
 Other Projects used CART, Random Forest, XGBoost, GLM, Markov Chain

R Programming Instructor, Wiley India Pvt. Ltd.

Apr 2019 - May 2019

Summer Intern, Tata Research Development and Design Centre

May 2015 - Jun 2015

Developed a data simulator in MATLAB to generate 72 metrics and analyzed it using Factor Analysis

PROJECTS

- Published **R package 'analyzer'** on **CRAN** (official R repo). It automatically generates notebook with pre-written codes to analyze data using **15+** statistical tests, plots, preliminary models, and variable selection
- **SPOT** (Safest Path Optimizing Tool) Created an app to determine safest travel path utilizing **Dijkstra's** algorithm; App generates alerts when the driver is near accident-prone zones (**Kernel Density Estimation**)
- Built recommender system using SVD, regularized SVD, Collaborative filtering. Designed incremental method to handle new ratings For 250 (15%) new movies, re-training took 3% of original time; Error increased by 0.2%
- Travelling Salesman Problem using Genetic Algorithm coded from scratch, compared different operator types

CORE SKILLS -

Python, Flask, Tensorflow, Keras, R, R Shiny, D3, SQL, MATLAB, MS Excel, HTML, CSS, git, C++, Hadoop

AWARDS AND HONORS -

- Won ZS Innovator of the Month
- ZS Hackathon Best ROI &Technical Feasibility
- · Amgen Hackathon Secured a full project for ZS
- Won ZS best project of the year
- Ranked 1st among 5000+ participants in the National Level Data Science Challenge