

BARKHA GOYAL

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EDUCATION

PES UNIVERSITY EC CAMPUS

BTECH. - Computer Science Engineering GPA- **8.99** Joined : 12/2020

Received **MRD Scholarship** for Semester 1,2,3,4,5

Relevant Coursework:

- Data structures and Algorithms
- MERN stack web development
- Data Analytics and Machine Intelligence
- Big Data (Hadoop, Kafka and Spark)
- Cloud Computing (Docker and Kubernetes)
- Information Retrieval (NLP techniques)



CHRIST ACADEMY JUNIOR COLLEGE

ISC[ICSE] - PCMC Score: 97.2%

Graduation Date:05/2020

Ranked 1 at college level , Received **ISC scholarship letter**

PROJECTS

Named Entity Recognition using BiLSTM : Created a BiLSTM model using Conll dataset that creates GLoVe embeddings of words and identifies its grammatical components..

Humio Log Scanner Using Django And Flask : Implemented the admin backend functionality using Django to perform CRUD operations and routing the requests using URL endpoints.

Asset Management System: Java MVC application to track assets, vendors and employees using SQL with various design patterns.

Stock Price Prediction using LSTM,SVM,LR: Forecasting stock prices using Google stock data and predicting returns.

CRM Software using PHP, javascript, SQL: Project based on AGILE principles to mimic the basic functionalities of a CRM tool which allows tracking of leads, clients , deals etc to track business and forecast finances.

Military Management System using PHP and SQL: DBMS project to demonstrate joints, triggers, cursors and functions

Kafka Clone implementation using Python: Implemented a zookeeper to elect a broker in case of failure in a pub-sub model

Chat service using MQTT: Built a basic publisher- subscriber model using MQTT as broker in python

Decentralized Ride Sharing Application using Blockchain: Collaborated within a team to build a project using Solidity and the Google Maps API to build a Decentralized ride sharing application with stateful ReactJS for frontend.

Pet Adoption Website using MERN stack.

ONGOING PROJECTS:

Penetration Testing Using AI: Automating Pentesting using DRL methods.

EXPERIENCE

DATA SCIENCE INTERNSHIP : G2

(06/2023 - PRESENT)

- Project undertaken was Product Normalisation , under which built an NLP algorithm to map raw data to normalized structured data in the database which enabled increase in customer ROI and satisfaction by giving valuable analytics
- Experimented with 5-6 approaches , utilizing global data warehouses to increase accuracy.
- Formatted data values in accordance to pre built model's requirements to retrieve clean data values.

SUMMER INTERNSHIP : XOXODAY

(06/2022 - 08/2022)

- Headed the automation of the billed invoices updation on sheets reducing the manual work time by 75%
- Designed a quarter on quarter automated report to identify deficits leading to a productivity increase .
- Extracted and mapped the data in 5 data sources containing almost 3500 values and updating it on a daily basis which was the foundation of 80% of the reports.
- Originated a master dataset for the sales team of almost 40 employees to access and visualize performance across almost 25 parameters over a timeline of five years.

SKILLS & INTERESTS

Technical: C ,Java ,Javascript ,Python, React , Html , R , C++ , Git, Pytorch,Tensorflow, Hadoop, Map-reduce, Nltk, Sql, Php

Interests: Data Analytics, Machine Learning, Data Structures, Algorithms, Web development, Mathematical concepts, Logical Reasoning, Big Data Architectures.

Language: English (professional fluency), Hindi (professional fluency), Spanish (beginner fluency)

Skills: Strong communication skills along with excellent team-working abilities , disciplined and focused at performing a given task.