

Manas Bichoo

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Experience

Scool.in, Indore, India

Lead Data Scientist

Dec 2019 – Present

- Project Manager of The Matchmaking Algorithm for hyperlocal Mentor-Mentee Matchmaking Platform.
- Project Manager of Demand-Supply Analytics Project using Natural Language Processing and Big Data Analysis.
- Responsible for Business Analytics, Trend Analytics, Machine Learning, Deep Learning and Data Science workflow design.

Hotwax Systems, Indore, India

Machine Learning Engineering Intern

Aug 2019 – Dec 2019

- Designed and Developed Recommender System for e-commerce websites using Big Data Analytics and Machine Learning.
- Used Apache Spark for the development of recommender system.
- Developed Data Mining, Data Crawling and Data Visualization Web Application

Schneider Electric, Vadodara, India

Software Research & Development Intern

May 2019 – Aug 2019

- Worked on Rating Plate Digitization Project to digitize Transformer Rating Plate at Schneider Electric, Vadodara, India.
- Developed a web application using C# for Rating Plate Digitization project and integrated it with AutoCAD.

Education

Devi Ahilya Vishwavidyalaya (IIPS DAVV) Indore, India

Apr 2016-Apr 2021

Integrated M. Tech in Information Technology

GPA: 9.07 /10.00

Campus Representative for Facebook Developer Circles, Indore Community

OC Member of Xpressions (Techno-Management Fest – IIPS DAVV)

SICA Senior Secondary School No. 2, Indore, India

2014-2016

CBSE (HSC: Class XII) - Percentage: 85.2%

CBSE (SSC: Class X) - CGPA: 9.0 /10.0

Projects

Matchmaking Algorithm

Jan 2020-Apr 2020

- Designed and Developed Direct and Indirect Matchmaking Algorithm to perform the process of matchmaking on Mentor-Mentee pair.
- Used Supervised and Unsupervised Machine Learning algorithms including regression, classification, clustering along with Neural Networks and Deep Learning Algorithms for matrix factorization.

Custom Recommender System

Aug 2019-Dec 2019

- Used Big Data frameworks like Apache Spark to develop custom recommender system for e-commerce platforms.
- Used ALS algorithm to do collaborative filtering and clustering algorithms like K-means clustering to do content-based filtering for recommendation.

Demand-Supply Analysis using NLP

Apr 2020-May 2020

- Used Natural Language Processing for Text Analysis to identify the demands in market after the Covid 19 pandemic.
- Developed a script to crawl various news websites and performed real-time analysis on the crawled data.
- Developed a notebook to clean, visualize and organize information gathered using web crawling.

GitHub Project Recommendation Application

Aug 2019-Dec 2019

- Developed a Web Application using Flask framework to automatically scrape GitHub repositories of a given user.
- Developed a project recommendation system to recommend the scraped GitHub projects to a user.

Rating Plate Digitization

May 2019-Aug 2019

- Developed a web application using C#. NET framework to automatically digitize Transformer Rating Plate at Schneider Electric, Vadodara.
- Integrated the application with AutoCAD to design the rating plate in real-time.

Tweets Topic Classifier

May 2019-June 2019

- Did classification of topics in tweets using LDA (Latent Dirichlet Allocation) and Multinomial Naïve Bayes Algorithm.
- Scraped tweets from Twitter using Twitter's API and python script.

Skills & Interests

Technical: Data Analytics, Machine Learning, Deep Learning, Big Data, Apache Spark, Python, Java, Flask, Django, DBMS, Git, GitHub, Algorithms, Data Structures, Azure ML, Docker, Linux, MS Excel

Business: Business Analytics, Business Intelligence, Trend Analysis, Content Writing, Consumer Behavior Analysis.

Languages: English, Hindi, French, Marathi

Research Areas: Natural Language Processing, Recommender Systems, Neuroeconomics.

Interests: Entrepreneurship, Startup Ecosystem, Community Management, Philosophy, Psychology, Neuroeconomics, Mindfulness, Blog Writing, Traveling, Swimming, Reading, Networking

Leadership and Activities

Facebook Developer Circles, Indore, India

Community Development Manager

Aug 2019 – Apr 2020

- Promotions/Marketing Manager at Facebook Developer Circles, Indore community.
- Successfully organized and conducted numerous tech events in Indore, India.
- Tech Speaker at various events on topics like Git, GitHub and Data Science.
- Conducted technical workshops in various colleges in Indore.

Hour of Code (HOC) Indore, India

Volunteer Guidance and Training Lead

Dec 2019

- Led a team of volunteers for the Hour of Code by Code.org in Indore, India.
- Conducted workshops on coding in various schools of Indore, teaching school children to write their first line of code.