

Sourav Saha

PERSONAL INFORMATION	Bangalore, India souravsaha1605@gmail.com	8981782777 - Portfolio - LinkedIn Live Resume - Kaggle
CAREER SUMMARY	4 years of professional work experience on Natural Language processing, Data Science and Data Structure . Relevant experience working on Named Entity Recognition, Tag Extraction, Classification, non personalized Recommendation using graph theory, Regression and Time Series problems.	
SKILLS	Python, Tensorflow, Scikit-learn, Networkx, Grakn graph database, Seaborn, PySpark, JavaScript, AngularJS	
PROFESSIONAL EXPERIENCE	Tata Consultancy Services Ltd. - System Engineer (TCS Digital) January 2017 - Present <ul style="list-style-type: none">Fraud detection in medical insurance claimImplemented Named Entity Recognition using LSTM algorithm with TensorflowRecommendation problems using NetworkX and experience working in Grakn graph database.Tag Extraction using LDA, POS, and from front-end using JavaScriptDatasets preparation and implementation of classification and document similarity problemsRelevant search implementation for assets using PostgreSQL.Expert ranking for associates. FusionCharts Technologies Pvt. Ltd., - JS Developer July 2016 - December 2016 <ul style="list-style-type: none">Adding new functionalities to different type of charts and creating new charts based on company requirements. Implementations were made using maths, data structure with JavaScript. Shoes on loose, - Python Developer Intern October 2015 - November 2015	
HOBBY PROJECTS	<ul style="list-style-type: none">Machine Learning Hackathons<ul style="list-style-type: none">Predict Hospital stay duration for COVID patients using CatBoost, Deep Learning - Rank : 142 / 19KPredict Future Sales using XGBRegressor - Rank : 277 / 8KTwitter Sentiment Analysis using LSTM - Rank : 416 / 15KBigMart Sales Prediction using StackingCVRegressor - Rank : 1726 / 32KTime Series Forecasting of JetRail passengers using Prophet, Holt's Winter, Sarimax - Rank : 399 / 19KExam Preparation Online (epon.in) - An online portal to simplify the email digest for their daily learning activities on machine learning, sports and technology. It also features interview experiences and success stories in simplified format.<ul style="list-style-type: none">Filter out blog links from mail contents and broadcast relevant contents via website and chrome extension.Extract text using tesseract from Images of question papers and segregate them to individual questionsExtract questions from interview experiences, identify unique questions using XGBoost ML algorithm and classify them to corresponding subjects using Ensemble Classification algorithm. Dataset preparation required for performing Ensemble Classification method.Interview experiences to display only required information like suggestions, technical questions, others...200+ Subscribers, 300+ monthly visits, 2K unique visits before interviews, 1.3K FB likesGoogle Search Recommendation - Chrome extension to track online activity of user. Visual representation of online activity through charts and recommended links in Google search page based on their past activities.	
CERTIFICATIONS	Machine Learning <ul style="list-style-type: none">Natural Language Processing in TensorFlowNeural Networks and Deep LearningTCS Machine Learning E2 competencyBasic Sentiment Analysis with TensorFlowCompare Stock Returns with Google SheetsData Analysis Using PysparkExploratory Data Analysis with SeabornPredict Future Product Prices Using Facebook ProphetThe Data Scientists Toolbox by Johns Hopkins UniversityMachine Learning Foundations: A Case Study Approach by University of Washington	
EDUCATION	Bits Pilani , Executive M.Tech. Data Science. 2020 - Present Institute of Engineering & Management, Kolkata , B.Tech., (DGPA) : 8.42 / 10 Nava Nalanda High School, Kolkata , Higher Secondary : 68 Nava Nalanda High School, Kolkata , Secondary : 80.4	