Sourav Saha

PERSONAL INFORMATION

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Live Resume - Personal Portfolio ⧉

CAREER SUMMARY

4 years of professional experience working in Natural Language processing, Data Science and Data Structure. Proposed multiple business solutions to stakeholders as a part of job role and helped developing solution for them. Mentored more than 30 interns in the domain of ML, Website Development, Design and Content Writing in my hobby project.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Ltd. - System Engineer   **January 2017 - Present**

- Proposed multiple business solutions as a part of job role and helped developing solution for them.
- Implemented Named Entity Recognition using LSTM algorithm with Tensorflow
- Recommendation problems using NetworkX and experience working in Grakn graph database.
- Tag Extraction using LDA, POS, and from front-end using JavaScript
- Datasets preparation and implementation of classification and document similarity problems
- Relevant search implementation for assets using PostgreSQL.
- Expert ranking for associates.

FusionCharts Technologies Pvt. Ltd., - JS Developer   **July 2016 - December 2016**

- Adding new functionalities to different type of charts and creating new charts based on company requirements.

CERTIFICATIONS

Machine Learning

- Natural Language Processing in TensorFlow ⧉
- Neural Networks and Deep Learning ⧉
- TCS Machine Learning E2 competency ⧉
- Basic Sentiment Analysis with TensorFlow ⧉
- Compare Stock Returns with Google Sheets ⧉
- Data Analysis Using Pyspark ⧉
- Exploratory Data Analysis with Seaborn ⧉
- Predict Future Product Prices Using Facebook Prophet ⧉
- The Data Scientists Toolbox by Johns Hopkins University ⧉
- Machine Learning Foundations: A Case Study Approach by University of Washington ⧉

HOBBY PROJECTS

- Exam 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.
  - Filter out useful contents, perform tag extraction and broadcast contents relevant to users through email, website and chrome extension.
  - Extract text using tesseract from Images of question papers and segregating them to individual questions after pre-processing.
  - Extract 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 based on users need like suggestions, technical questions or others
  - 200+ Subscribers, 300+ monthly visits, 2K unique visits before interviews, 1.2K Facebook likes
- Google 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.

SKILLS

Python, Tensorflow, Scikit-learn, Networkx, Grakn graph database, Seaborn, JavaScript, AngularJS

AWARDS & ACHIEVEMENTS

- Only student to be selected for job in Fusioncharts from on-campus
- 3rd prize in **BugSmash** coding event in INNOVACION, Tech Fest, IEM Kolkata.
- Student of the Year Performer Award by college

EDUCATION

Institute of Engineering & Management, B.Tech., (DGPA) : 8.42 / 10