

Sourav Saha

CONTACT INFORMATION

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CAREER SUMMARY

4 years of experience working in Natural Language processing, Data Science and Data Structure. Enthusiast about solving new problems and perform research to identify improvements to add business value to existing problems.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Ltd. Chennai, India

System Engineer

January 2017 - Present

- Projects Developed :
 - Implemented NER using LSTM algorithm with Tensorflow
 - Recommendation problems using NetworkX and experience working in Grakn graph database.
 - Tag Extraction using LDA, POS.
 - Tag Extraction using JavaScript, without back-end intervention.
 - Datasets preparation for classification algorithm to differentiate between job and technical posts.
 - Scrapping third party resources to build datasets for classification algorithm and cosine similarity.
 - Performing important keyword extraction with relevant search implementation using PostgreSQL.
 - Proposal for new solution to stakeholders, designing wire-frame and it's implementation with ML.

FusionCharts Technologies Pvt. Ltd., Kolkata, India

JS Developer

July 2016 - December 2016

- Projects Developed :
 - R & D project involving custom logic implementation for drawing Bezier curve to improve the existing Spline Chart algorithm based on company's requirement.
 - Developed few features for a live chart editing tool project like searching both attribute name and description on a priority basis from a JSON file for the attributes section, displayed chart data from different JSON formats in a tabulated form using AngularJS.
 - Developed synchronized scrollbar, random date generator using Handlebars.js with features like sorting, finding unique elements, date formatter for Time Series chart.
 - Bug fixing for few charts and creating unit testing for those fixes.
 - Developed Line, Column, Crossbar charts during learning session.

Shoes on loose, Delhi, India

Intern

October 2015 - November 2015

- Projects Developed :
 - Developed a blogger for their website by implementing tree structure using web2py framework.
 - Storing images in varied sizes using cron job scheduler.
 - Developed an image cropper before uploading an image using cropper.js, ajax, web2py framework.

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|-----------------------|---|
| CERTIFICATIONS | Machine Learning <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Exam Preparation Online - An online portal to simplify the email digest to help students and professionals on their daily learning on machine learning, technology and sports. Interview and Exam questions categorized to respective subjects from question papers and different websites. Structured interview experiences from jobs and higher studies. • Google Search Recommendation - Chrome extension to suggest links based on their past activities and search query in Google search page. • E-commerce - Mobile compatible project developed using J2EE, MySQL, Bootstrap. Appreciated and acknowledged by Principal of IEM • Online Banking - An online banking portal developed using J2EE, MySQL during Globsyn training session |
| SKILLS | Programming Languages <ul style="list-style-type: none"> • Python, JavaScript, AngularJS Databases <ul style="list-style-type: none"> • SQL : MySQL, PostgreSQL Libraries and Tools <ul style="list-style-type: none"> • Tensorflow, Scikit-learn, Networkx, Grakn graph database, Seaborn Version Control Systems <ul style="list-style-type: none"> • Git |
| AWARDS & ACHIEVEMENTS | <ul style="list-style-type: none"> • 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 Performer Award of the Year by Institute of Engineering and Management in 2015 • Outstanding Contribution Award by Institute of Engineering and Management in 2014 |
| EDUCATION | Institute of Engineering & Management , West Bengal, India B.Tech., Department of Information Technology, August 2012 - May 2016 <ul style="list-style-type: none"> • Degree Grade Point Average (DGPA) : 8.42 / 10 • Key Courses: Algorithms & Design, Networking & Communication, Database Management Systems, Computer Graphics, Operating Systems, Discrete Mathematics & Probability |

Nava Nalanda High School, West Bengal, India

Higher Secondary, July 2010 - May 2012

- Percentage Obtained : 68%
- Key Courses : Physics, Chemistry, Maths, Statistics

Nava Nalanda High School, West Bengal, India

Secondary, April 2010

- Percentage Obtained : 80.37%

ACTIVITIES

- Event Manager at E-cell (I.E.M.)
- Co-ordinated at Tech Fest and Web Development workshop held in college
- Volunteered at Cultural Fest and IEMCON held in college

MORE
INFORMATION

LinkedIn Profile

<https://www.linkedin.com/in/souravsaha1605>.

Github Profile

<https://github.com/souravsaha1605/>.