

## Sourav Saha

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### 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 for adding 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, and from front-end using JavaScript
  - Datasets preparation for classification and document similarity problems
  - 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**

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

**Shoes on loose,** Delhi, India

*Intern*

**October 2015 - November 2015**

### 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** - 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.

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| SKILLS                | <b>Programming Languages</b> <ul style="list-style-type: none"> <li>• Python, JavaScript, AngularJS</li> </ul> <b>Databases</b> <ul style="list-style-type: none"> <li>• SQL : MySQL, PostgreSQL</li> </ul> <b>Libraries and Tools</b> <ul style="list-style-type: none"> <li>• Tensorflow, Scikit-learn, Networkx, Grakn graph database, Seaborn</li> </ul>   |
| AWARDS & ACHIEVEMENTS | <ul style="list-style-type: none"> <li>• Only student to be selected for job in Fusioncharts from on-campus</li> <li>• 3rd prize in <b>BugSmash</b> coding event in INNOVACION, Tech Fest, IEM Kolkata.</li> <li>• <b>Student Performer Award of the Year</b> by Institute of Engineering and Management in 2015</li> <li>• <b>Outstanding Contribution Award</b> by Institute of Engineering and Management in 2014</li> </ul>  |
| EDUCATION             | <b>Institute of Engineering &amp; Management</b> , West Bengal, India<br>B.Tech., Department of Information Technology, August 2012 - May 2016 <ul style="list-style-type: none"> <li>• Degree Grade Point Average (DGPA) : 8.42 / 10</li> </ul> <b>Nava Nalanda High School</b> , West Bengal, India<br>Higher Secondary, July 2010 - May 2012 <ul style="list-style-type: none"> <li>• Percentage Obtained : 68%</li> </ul> <b>Nava Nalanda High School</b> , West Bengal, India<br>Secondary, April 2010 <ul style="list-style-type: none"> <li>• Percentage Obtained : 80.37%</li> </ul> |
| ACTIVITIES            | <ul style="list-style-type: none"> <li>• Event Manager at E-cell (I.E.M.)</li> <li>• Co-ordinated at Tech Fest and Web Development workshop held in college</li> <li>• Volunteered at Cultural Fest and IEMCON held in college</li> </ul>  |
| MORE INFORMATION      | LinkedIn Profile<br><a href="https://www.linkedin.com/in/souravsaha1605">https://www.linkedin.com/in/souravsaha1605</a> .<br>Github Profile<br><a href="https://github.com/souravsaha1605/">https://github.com/souravsaha1605/</a> .   |