Partha Pratim Saha

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Experience Summary and Technical skills

- - **Experienced in Machine Learning, Natural Language Processing and Data Science**
- - **AI:** Neural Networks, Machine translation, Attention mechanism architecture
- - **Text Mining and NLP**: document similarity, language modelling
- - **Healthcare:** Oncology, Cancer Genomics, Bioinformatics, Gene regulatory network
- - **Programming language:** Python, R, Objective-C, C
- - **Machine Learning:** Regression, classification, clustering, tree based algorithms
- - **Data Science:** Data architecture, data pipeline modelling, data pre-processing, data cleaning
- - **Tools and Libraries:** Pandas, Sklearn, Numpy, Seaborn, Git

Key Accomplishments
- Presented Attention Is All You Need paper at Portland State University, Oregon, USA
- Received acceptance to participate in the RegML2020 conference, University of Genova, Italy
- Trained on Deep Learning using Matlab from Mathworks, Boston team
- Got selected to attend DevFest'19, Google
- Completed Data Analytics Global Internship, organised byTakenMind and United Nation, UK.
- Active member of WiMLDS, WiDS, WWCode Delhi chapters, PyData India group
- Member of ACM, New York, USA

Employment & Work Experience

Senior Data Engineer, **Skill**: Python, Data Integration   Bangalore, India
AIML Data Analytics Pvt Ltd.   2020 - Date
- Worked on end-to-end development on Data acquisition, integration, data storing pipeline process
- Integrated 3rd party vendors data into existing product from scratch using python
- Worked on identifying relevant data points, pre-processing, cleaning, backend API

Senior Data Scientist, **Skill**: Python, Machine Learning, NLP   New Delhi, India
IRIS Software   2019 - 2020
- Worked on Data Pre-processing, cleaning and feature engineering methods
- Built ML models using regression, classification, tree based model
- Worked on NLP and data mining

Assistant Engineer, **Skills**: R, Python   West Bengal, India
Damodar Valley Corporation   2017 - 2019
- Worked on bioinformatics projects using R in healthcare domain
- Worked on Cancer Genomics, oncology for gene regulatory networks

Senior Systems Engineer, **Skills**: iOS, Objective-C   Chennai, India
InfosysTechnologies Limited   2011 - 2015
- Developed iPhone & iPad applications using Objective-C on legal domain
- Submitted iOS app LexisAdvanceHD currently available live in AppleStore

Education

B.Tech. in Computer Science & Engineering   WB, 2010

Portfolio Projects:

Secure Threat Intelligence Dashboard, Language: Python
  - Used Google API for Threat Intelligence Dashboard to plot location on Google Map.
  - Plotted different categories of Cyber Attacks like Malware, Botnet, Blacklist, Spam.

Sequence Alignment, Language: Python
  - Used Dynamic Programming for sequence alignment
  - For evolutionary relationships, used Phylogenetic trees.

Branch correlation in programming paradigm, Skills used: Data Driven programming
  - Used ROSE compiler that automatically instruments the given program
  - Generate dynamic outcome (T/F) along with static branch identifier
  - Analyzed over multiple executions to predict conditional branches