

Rajarshi Chattopadhyay

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Summary Continuous learner, passionate about solving real-life problems through **Software engineering**.

Skills

System Design	OOP	Data Modeling	Full-stack application development
Python	React	UNIX/Linux	SQL/Elastic/Graph

Professional Experience

Sr. Software Development Engineer, Tesla Austin, TX, USA Mar 2023 – present

- Designed, developed and delivered Credit Trading application that handles >\$1B revenue department in house with contract and invoice generations and API integrations with other Tesla OS applications.
- Designed, developed and delivered an application to productionize Machine learning models discovery and documentation. This is part of the infrastructure that allows democratizing data science work across various organizations enabling streamlined processes.

Software Engineer, Tesla Austin, TX, USA Mar 2021 – Feb 2023

- Designed, developed, and deployed company-wide metadata explorer application rendering an improved data discovery and lineage tracking from business process assets to the physical database entity.
- Set up the security architecture and deployment pipelines for cross-domain applications.

Data Engineer Intern, Tesla Fremont, CA, USA Jun 2020 – Nov 2020

- Developed and automated ETLs for Enterprise Data Warehouse solutions for Sales, Delivery, and Logistics Teams in a time-constrained environment using Open-source technologies.

Software Developer Intern, Copart Dallas, TX, USA May – Aug 2019, Jan – May 2020

- Designed and built scalable RESTful microservices system for cross-verification and reconciliation of vendor cheque payments with the bank preventing frauds of thousands of dollars each month.
- Performed system architecture exploring feasibility and tradeoffs and prepared design documents.

Software Engineer Intern, Tesla Fremont, CA, USA Sept – Dec 2019

- Automated the handling and monitoring of the secured infrastructure accesses, increasing productivity by 80%, strategically significant to the company's digital transformation.

Software Systems Engineer, IBM India Dec 2014 – Jul 2018

- Developed automations for end-to-end Level 3 application support leading a 15-member team.
- Received Best Emerging Techie Award at A.P. Moller Maersk Diamond Awards 2016, IBM.

Education

- Master of Science, Computer Science**, University of Texas at Dallas, USA CGPA: 3.64 Grad: 2020
- Bachelor of Tech, Electronics Engr**, West Bengal Univ. of Technology, India CGPA: 3.5 Grad: 2014

Projects

likarajo.github.io/Projects

- Customer Targeting:** Developed a binary classification model trained using multiple classifiers to predict a customer's product interest based on Ad-clicks and search data. github.com/likarajo/customer_targeting
- Sentiment Analysis and Visualization:** Developed a *Spark* Streaming application for accessing live tweets using *Twitter API*, sentiment analysis using *Stanford CoreNLP library*, and real-time visualization using *Zookeeper, Kafka, Elasticsearch, Logstash, Kibana*. github.com/likarajo/twitter_sentiments

Activities

- Hackathon* – HackForHumanity at the University of Texas at Dallas.
- Member and Volunteer* – Graduate Student Assembly, Association of Computing Machinery at UT Dallas