Aryan Singh

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EDUCATION

BTECH, COMPUTER SCIENCE AND ENGINEERING

TECHNO INDIA (MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY)

July 2017 | Kolkata, India

Graduated with 8.81 CGPA

SKILLS

PROGRAMMING

Java, Python, C, C++, Scala and Shell Scripting (Linux).

BIG DATA

HDFS, MapReduce, Hive, HBase, Oozie, Sqoop, Kafka, Flume, Spark and Flink.

WEB TECHNOLOGIES

HTML, CSS, Bootstrap, JavaScript, JQuery, PhP and ReactJS.

DATABASES

Oracle (PL/SQL), MongoDB, Redis and Neo4j.

FRAMEWORK & WEB SERVICES

Spring Boot, Hibernate and RESTful Web Services.

DEVOPS TOOLS

Git, Jenkins, Maven and Gradle.

SDLC

Scaled Agile (SCRUM).

LINKS

github.com/aryansi225

linkedin.com/in/aryan-singh

EXPERIENCE

TATA CONSULTANCY SERVICES | DEVELOPER

August 2017 – Current | Bengaluru, India

Client – Nordea Bank Abp

- Built an interface using Hadoop technologies that picked raw batch transactions as well as other customer data and did data processing before sending it to a Fraud Detection Engine (FICO Falcon).
- Built another interface using microservices to handle real time transaction for fraud detection and achieved a round trip time of less than 150 ms for peak load of 200 transactions/sec.
- Built an automated system to change Fraud Detection Engine's rule based on customer's spending habit on less trusted store which helped bank reduce the false positives by more than 50%.
- Built automated system to quarantine new mobile accounts for specified time. This helped bank crackdown phishing attacks.

PROJECTS

- **Ethereum Token Exchange:** Exchange is built on ERC20 Token Standard which allows admin to do initial token offering for ethers and allows buyers and sellers to trade tokens for ethers.

  (Solidity, Truffle, Mocha, JavaScript)
- **Cat Image Classifier:** Built logistic regression and neural network model (without using any framework or library) and trained it on cat images to recognize cat images from other images.

  (Python, NumPy, Matplotlib)
- **Scraping IMDB Website:** Built a scraping spider to scrape the top 250 movies page on IMDB and did some exploratory data analysis and visualization.

  (Python, Scrapy, Pandas, Seaborn)
- **Social Media Website:** Built a simple social media website where movie buffs can join and leave different groups and write or delete posts in them. The website contains registration and login page to perform intended actions.

  (Python, Django, JavaScript, JQuery)
- **Flappy Bird Clone Game:** Built a game resembling to flappy bird which calculates the score based on the number of pipes you cross. The game works both on desktop and android phones.

  (Java, LibGDX)

[Note: Please visit my profile at github.com/aryansi225 to get detailed description on all these projects in form of GitHub repositories readme's.]