

AVEEK SAHA

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SKILLS

- Languages - C, Python, Java
- Backend - PHP, Node JS
- Databases - MongoDB, SQL
- Proficient in Data structures and Algorithms.
- Frameworks - Angular, Vue, Electron and Ionic.
- Big Data - Hadoop, Spark
- Machine learning and NLP - Keras, Tensorflow, NLTK, Gensim, Spark MLlib

EXPERIENCE

ALTIMETRIK, BANGALORE — *Summer Intern*

May 2019 - July 2019

Used NLP and deep learning to identify test cases that have similar semantic context to avoid duplicates, from a given set of test cases.

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR — *Summer Intern*

June 2018 - June 2018

Worked on a system to identify and alert users suspicious activity near parked vehicles.

ELECTROSOFT CONSULTANTS, KHARAGPUR — *Summer Intern*

July 2018 - July 2018

Developed a software interface in Python, including GUI, based on a Raspberry Pi for a 3D Rock Surface Profiler.

EDUCATION

PES University, Bangalore — *B.Tech, Computer Science Engineering*

2016 - 2020, CGPA: 8.0 (Upto 6th semester)

Delhi Public School East, Bangalore — *CBSE, Science*

2014 - 2016, Percentage: 91.4%

Bethany High School, Bangalore — *ICSE, Science*

2007 - 2014, Percentage: 90.8%

PROJECTS

IPL MATCH PREDICTOR - Use Apache Spark to predict the outcome of an IPL Match ball by ball. A probability model, and A decision tree model were made using **Apache Spark's MLLib** module in **Pyspark**. Link - <https://github.com/Aveek-Saha/Cricket-score-predictor>

YOUTUBE TRENDING VIDEO PREDICTOR - Given a video this model predicts whether the video trends or not. Trained a Stacking classifier with KNN, Random Forest and Naïve Bayes with Logistic Regression as the meta-classifier using **scikit-learn**.

CONTAINER ORCHESTRATOR - A container orchestration system that implements load balancing, auto scaling and fault tolerance, that can be used with any containerised application. Made with **Node.js** and **Docker**
Link - <https://github.com/Aveek-Saha/Orca-strator>

SENTIMENT BASED STOCK PRICE PREDICTION - Trained various models in **scikit-learn** and **Keras** to classify daily tweets and news articles about Apple as positive or negative. Each day was given a sentiment score based on the overall sentiment. Using this stock price + sentiment score data a LSTM was trained to predict future stock prices.
Link - <https://github.com/Aveek-Saha/Sentiment-based-stock-price-forecasting>

LIVE CHESS - Used **Socket.io** with **NodeJS** to make a website where people can join chess game rooms and play with others around the world. The moves are reflected in real time.
Link - <https://github.com/Aveek-Saha/Online-Chess>

FUSE FILESYSTEM - A basic file system in user space written in **C** using **FUSE**. Supports operations like create, open, read and write files. Creating, renaming and deleting folders is also supported.
Link - <https://github.com/Aveek-Saha/FUSE-Filesystem>

DUSK PLAYER - A music player for desktop, which has over *seven thousand* downloads, built with **Electron** and **AngularJS**.
Link - <https://github.com/Aveek-Saha/MusicPlayer>

OTHER INTERESTS

My Tech Blog - <https://home.aveek.io/blog/>

Portfolio - <https://home.aveek.io/>

GitHub - <https://github.com/Aveek-Saha>

Behance - <https://www.behance.net/aveeks/>