PIYUSH AGARWAL

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Education

Google Data Analytics Professional Certification / Coursera (https://piyush4669.github.io/5.pdf)	2021
Bachelor of Engineering, Computer Science / BMS Institute of Technology, Bengaluru, IN	2016 - 2020
12th Senior Secondary, Science / S.R. Public School (CBSE), Kota, Rajasthan, IN	2014 - 2015

Experience

Operations Engineer / Endurance International Group, Bengaluru   JUL 2020 - PRESENT
Ensure and optimize mail delivery.

System Architect (Internship) / Endurance International Group, Bengaluru   FEB 2020 – JUN 2020
Introduced the organization with modern auto-remediation techniques and AIops. Collected 54 servers CPU, memory, disk, network & process data for 30 days. Analyzed data to create a plan and strategy that can automatically mitigate reoccurring or common issues and increased server uptime by 15% in the test environment.

Data Analyst (Internship) / GHack Technologies, Bengaluru   APR 2019 – JAN 2020
- Standardized collection process of 6-axis IMU data from Bosch BNO055 sensors mounted on top of cricket bats.
- Pre-processed and Analyzed data to gain insights and generated models to detect bat swings and analyse batsman's performance in real-time.
- Deployed models in production on servers for batch processing and integrated models with the mobile app to provide real-time feedback to players.
- Got 500 customer reviews & ratings stating it helped them improve their batting stance and bat swing professionally.

Data Analyst (Internship) / Aiobee Technologies, Bengaluru   FEB 2019 – MAR 2019
Pre-processed and Analyzed storage space data for 15 warehouses all over India and generated space optimization models that maximized space and storage efficiency by 25% overall.

Blockchain Developer (Internship) /Rlyable Inc., Bengaluru   DEC 2018 – JAN 2019
Came up with a dedicated blockchain with many of its professional properties and used it as a default image storage for the website. Also generated and modified a clever algorithm to identify duplicate or tampered images in the chain.

Data Analyst (Internship) / Reliance Jio Infocomm LTD., Bengaluru   JUN 2018 – JUL 2018
Collected, Pre-processed and Analyzed business requirements & issues of SMEs and identified opportunities where Jio's infrastructure can boost their revenue. Data collected for 5 out of 40 such SMEs benefited in overall productivity or revenue.

Projects

Lyft Bike-Share, Customer Analysis – Analyzed usage patterns of annual members and one-time customers for increasing conversion for growth.

Cricket Bat Swing Analysis – Analyzed BNO055 sensor data for generating swing analysis models and deployed in production.

InfoCrypt – Implemented Pailler crypto-system on machine learning pipelines to secure user data from exploitation.

Skills

DevOps – SQL • MongoDB • Big Query • Linux • AWS • Docker • PySpark

Machine Learning – Python • R • TensorFlow • Scikit-Learn • Keras • NumPy • Pandas • SciPy

Data Analytics – Presentation • MS Office Suite • GGplot2 • Matplotlib • Seaborn • Tableau • D3js
Web / App Dev – HTML • CSS • JavaScript • React • React Native • Nodejs • Express • REST APIs

Publications

InfoCrypt: Real World Implementation of Machine Learning on Encrypted Data   2020
Scopus Index, Seybold Report, PAPER ID: SBR/0820-371 (https://piyush4669.github.io/cs3.pdf)