Aniruddha Shirahatti

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Languages: Python, Java, JavaScript

WORK EXPERIENCE:

RWE Clean Energy Services, LLC | Chicago, Illinois, United States   **June 2021 - Present**
Software Engineering Manager, Solar PV Systems | Python, PVLib, Dash, Azure DevOps, FastAPI, SQL, Tableau, Docker, Git
- Design and develop **web applications** using **Python**, which reduces the Engineering team's manual efforts by 70%.
- Collaborate with cross-functional teams to understand the manual **financial modeling** process and **automate using Python**.
- Architect and Implement a **scalable** and cost efficient **infrastructure** on the **Microsoft Azure Cloud** and deploy applications.

University of North Carolina at Charlotte | Charlotte, North Carolina, United States   **August 2020 - May 2021**
Research Assistant | Python, Vue.js, Docker, Cloud SQL, Cloud Build, Cloud Firestore, Cloud Functions, App Engine, Cloud Run
- Designed and implemented a solution to support **iterative training** of **containerized** machine learning models, using **GCP**.
- **Deployed** and trained 2 **custom ML models** on **Cloud AI Platform** using the data stored in **BigQuery** and **Cloud Storage**.
- Built **scalable SaaS** to induce bias and run ML experiments using GCP, which replaces manual scripting effort with 3 clicks.

Future Focus Infotech Pvt Ltd | Mumbai, Maharashtra, India   **November 2018 - April 2019**
Software Developer | Java, SQL, JavaScript, HTML, CSS, Git
- Developed 2 features and maintained loan origination app for client **National Commercial Bank**, used Spring framework.
- Collaborated with a team of 5 backend developers to deliver high-quality software using agile development techniques.
- Recommended and coded an alternate solution for the loan processing module, which improved processing speed by 25%.

Magna Infotech | Mumbai, Maharashtra, India   **August 2017 - January 2018**
Java Developer | Java, SQL, JavaScript, HTML, CSS, Git
- Designed and built 2 web-based applications for the Audit department, using Spring framework.
- Communicated with client **JP Morgan Chase** Bank in 3 iterations to gather project requirements.
- Automated monthly regulatory compliance processes using Java, which reduced the team's manual efforts by 60%.

Triumph Systems & Solutions Pvt Ltd | Mumbai, Maharashtra, India   **February 2016 - June 2017**
Junior Software Engineer | Java, SQL, JavaScript, HTML, CSS, Git
- Built a web application for the Payroll department of client **ICICI Bank**, using the Liferay framework.
- Implemented 3 new features and maintained the web application by fixing the issues raised by the client.
- Enhanced salary computation logic for the monthly accounting process using Java, which reduced processing time by 30%.

PROJECTS:
Serverless Word Splitter Data Pipeline | Java, Apache Beam, Cloud Dataflow, Cloud Storage, Git | **Github**   **June 2020**
- Built an **ETL data pipeline** and deployed on **Google Cloud Dataflow** to provision scalable infrastructure for data processing.

Housing Price Prediction App | Python, Docker, Cloud Build, Cloud Run, CircleCI, Locust, Git | **Github**   **April 2020**
- Trained ML model, automated packaging and deployment to **Cloud Run** to go from **container** to production in seconds.

Bank Marketing Analysis | Python, Pandas, NumPy, Scikit-Learn, Git | **Github**   **December 2019**
- Performed **data analysis** and calculated fairness metric for the protected feature to help detect bias in the given dataset.

EDUCATION:
University of North Carolina at Charlotte | Charlotte, North Carolina, United States   Graduated: **May 2021**
Major: Master of Science, Computer Science | **Concentration:** Data Science

University of Mumbai | Mumbai, Maharashtra, India   Graduated: **May 2015**
Major: Bachelor of Engineering, Computer Engineering