

Aniruddha Shirahatti

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Languages: Java, Python, JavaScript, Go.

WORK EXPERIENCE:

RWE Renewables Americas, LLC | Chicago, Illinois, United States **June 2021 - Present**

Technical Application Developer | Python, Streamlit, Dash, CSS, Docker, Git

- Design and implement frontend for 4 applications used by the **Solar Engineering** team, using Dash framework.
- Collaborate with 6 cross-team members to understand the manual **financial modelling** process and automate.
- Develop a financial modelling tool using Python, which reduces the team's manual efforts by 70%.

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, Git

- 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.

ACTIVITIES:

MIT COVID-19 Challenge (Datathon) | Python, Pandas, NumPy, Tableau, Git | **Github, Tableau** **May 2020**

- Performed Data Analysis for "Identifying protective factors to help prevent the spread of virus".

US Unemployment Rate Dataset | Python, Pandas, NumPy, Matplotlib, Git | **Github, Kaggle** **April 2020**

- Published dataset with 12 features, 132 records by extracting and transforming data using Bureau of Labor Statistics API.

EDUCATION:

University of North Carolina at Charlotte | Charlotte, North Carolina, United States **Graduated: May 2021**

Major: Master of Science, Computer Science | **Concentration:** Data Science **Cumulative GPA: 3.90/4.00**

University of Mumbai | Mumbai, Maharashtra, India **Graduated: May 2015**

Major: Bachelor of Engineering, Computer Engineering **Cumulative GPA: 3.50/4.00**