

Anirudh S Shirahati

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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