

Anuraag Mukherjee

Software Engineer

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WORK EXPERIENCE

Data Analyst

Aug 2021 – present

Whisper Media

- Designed and managed a **Postgres database** for research **data from 4 countries**, supporting comprehensive analysis.
- Created interactive dashboards** using **Looker studio** to visualize **sales data across 100+ projects**, providing insights into earnings.
- Constructed an **automated ETL pipeline** for survey data, **reducing report delivery time by 2 days**.
- Created **scripts** to parse **Excel files**, **automating report generation**.
- Engineered and launched ERP software** on **GCP** for a cross-functional **team of over 30 people**, streamlining tracking deliverables across various markets.
- Developed a portal** for sharing dashboards with **50+ businesses**, with user access and management features.
- Trained and deployed a **machine learning** model using **scikit-learn** to identify sponsored Instagram posts with **94% accuracy**, simplifying lead generation.

Software Engineer

Feb 2022 – Jun 2024

DigitalAce

- Engineered** multiple **websites and REST APIs** using **Django and React** with a **5-person team**, improving client engagement.
- Designed and implemented **unit tests** with over **75% code coverage**, ensuring robust application reliability.
- Implemented **WebSocket servers** using Django channels, enabling **asynchronous** client interaction.
- Leveraged **DevOps** tools such as **Git, Nginx, and Docker** to deploy applications on **AWS**, **reducing operating costs by 15%**.
- Spearheaded the **design and development** of the **permissions module** of the flagship CRM application, **ensuring proper access control**.

PROJECTS

Cryptocurrency Monitoring

To detect market manipulation

- Developed** software with **LLM integration** to **automate monitoring** of 10+ Telegram channels.
- Anomaly detection** on real-time trade data for targeted currencies to measure the impact of such schemes.
- Technologies/Libraries: Django, Celery, Tensorflow, Pandas, Numpy, Scikit-learn, Javascript, Docker, PostgreSQL.

FTPMania

- File sharing website** for sharing up to 500MB in a group without the need for account creation.
- Integrated with **AWS S3** for secure, scalable file storage.
- Technologies/Libraries: Django, React.js, AWS S3 (for file storage), PostgreSQL, Cron.

EDUCATION

Master of Science in Big Data and Business Intelligence

Jan 2025 | London, UK

University of Greenwich

Grade: Pending

Coursework: Data Warehousing and BI, Applied Machine Learning, Clouds, Grids and Virtualisation, Data Visualisation.

Bachelor of Science in Computer Science

Mar 2022 | Mumbai, India

University of Mumbai

Grade: A+

Coursework: Python Programming, C Programming, Discrete Mathematics, Statistics, Free and Open Source Software.

SKILLS

Programming Languages

Python, Javascript, Typescript, Bash, R

DevOps

Linux systems, Git, Nginx, Docker

Cloud Platforms

AWS: EC2, S3, Lightsail, Lambda, SageMaker
Azure: Virtual Machines, Terraform, Batch computing
GCP: Compute Engine, Cooud Storage, VertexAI

Databases

RDBMS: PostgreSQL, Clickhouse, Oracle
NoSQL: BigQuery, MongoDB, Redis, Neo4j, Hbase, Cassandra

Methodologies

Agile, Scrum

Frameworks/Libraries/Technologies

Django, React, HTML, CSS, Pandas, Numpy, Scikit-learn, Tensorflow, Pytorch, Dplyr, Ggplot, Spark, Hadoop

LANGUAGES

English

IELTS: 8.5 band score

Hindi

Bengali