Chinmay Mokashi

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SUMMARY

Passionate cloud certified data analyst with a 5+ years of experience in data processing, analysis, machine learning, software and data engineering. Adept in communicating with stakeholders of varying domains, and understanding user needs.

EXPERIENCE (COMPRESSED)

- **Harris Health System** — Houston, TX
  Data Analyst - Intern — *January 2023 - May 2023*
  - To assess the diagnostic characteristics of the Epic Sepsis Predictive Model (ESPM)
    *Writing **complex SQL queries** on Oracle databases containing Epic EHR data of 3+ million patients to derive computations and generate information to be used to analysis. Analyzing occurrence of sepsis during hospitalization or emergency visits.*

- **School of Biomedical Informatics, UTHealth** — Houston, TX
  Graduate Researcher — *January 2021 - May 2023*
  - Built separate automatic deep learning tools to screen patients for endometriosis and inverted papilloma
    *Researched and implemented U-Net (CNN) based nnU-Net pipelines on annotated 3D MRI sequences and CT images for semantic image segmentation. **Collaborated with healthcare professionals** to review, annotate/segment and clean MRI data. Performed **text processing** on radiology reports to extract key information such as MRNs and endometriosis status. Analyzed deep learning outcomes and **created reports**.*
  - Built a visualization tool to identify misinformation on YouTube regarding vaping
    *Created data pipeline to analyze **Youtube comments**. Built a Flask application to label Youtube videos into predefined categories. Used the **Youtube Data API** to collect, de-identify and analyze data and looked for trends. Applied **machine learning techniques to analyze patterns**. Presented results using Streamlit.*

- **iOPEX Technologies** — Bangalore, India
  Senior Software Engineer — *May 2019 - December 2020*
  - Built a custom email classifier for a major British telecommunications company
    ***Led a team of 3**, primarily based on **Google Cloud Platform**. **Built ETL pipelines** to clean, structure and train user emails to create custom email categories. Used logistic regression and SVM to **categorize emails into 10 non-exclusive labels (best AUC - 0.84)**.*
  - Performed data analysis tasks on ad-hoc basis
    *Worked on time-sensitive ad-hoc data analysis projects, such as insurance and time series transactions data. **Presented reports** of same to stakeholders.*

- **AthenasOwl, Quantiphi Inc.** — Mumbai, India
  Data Engineer — *January 2018 - January 2019*
  - Ideated and developed data infrastructure and architecture of the AthenasOwl ML platform
    ***Analyzed television recordings of client TV channels** by extracting key information and **mapping those with viewership data**. Built a **Gateway API** for authorization, authentication and user management of a multi-tenant **platform-as-a-service** (PaaS) infrastructure.*

EDUCATION

- **University of Texas Health Science Center at Houston (UTHealth)** — Houston, TX
  Master of Science in Biomedical Informatics — *January 2021 - May 2023*
  Courses: Medical Imaging and Signal Pattern Recognition, Big Data, Machine Learning, Statistics in Biomedical Informatics

- **National Institute of Technology, Rourkela** — Rourkela, India
  Bachelor of Technology in Biomedical Engineering — *August 2012 - May 2017*