Chinmay Mokashi

Linkedin: https://www.linkedin.com/in/chinmay-mokashi/
Github: https://github.com/chinmaymokashicm

Email : chinmaymokashicm@gmail.com
Mobile : +1-346-339-7614
Personal Website: https://chinmaymokashi.page

Education

- **University of Texas Health Science Center at Houston (UTHealth)** — Houston, TX
  Master of Science in Biomedical Informatics — *January 2022 - 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*

Skills Summary

- **Data Analysis and Machine Learning**: SQL, Pandas, Numpy, Matplotlib, nnU-Net, Pytorch, scikitlearn, scikit-image
- **Data Engineering**: Google Cloud, MySQL, REST API, MongoDB, PySpark, BeautifulSoup, NLTK, YouTube Data API
- **Software Engineering**: Python, Node, React, Flask, Ansible

Experience

- **School of Biomedical Informatics, UTHealth** — Houston, TX
  Graduate Researcher - Imaging Informatics & Social Media — *May 2022 - May 2023, May 2021 - September 2021*
  - **Projects**
    - Building an automatic deep learning tool to screen patients for endometriosis
    - Building an automatic deep learning tool to screen patients for inverted papilloma
    - Built a visualization tool to identify misinformation on YouTube regarding vaping
  - **Tasks**
    - Implemented nnU-Net pipelines on annotated 3D MRI sequences and CT images
    - Collaborated with healthcare professionals to review, annotate and clean MRI data
    - Created a data pipeline to analyze Youtube comments
    - Built a Flask application to label Youtube videos into predefined categories
    - Used the Youtube Data API to collect and analyze data and looked for trends
- **School of Biomedical Informatics, UTHealth** — Houston, TX
  Student, Directed Study — *January 2022 - May 2022*
  - **Project**
    - Built a purely client-side web-application to predict the risk of acute stroke in patients using OCTA images
  - **Tasks**
    - Built a frontend web-application with image processing capabilities on React.JS
    - Trained a ML classifier on OCTA images and deployed on the user interface
- **iOPEX Technologies** — Bangalore, India
  Senior Software Engineer — *May 2019 - December 2020*
  - **Project**
    - Built a custom email classifier for a British telecommunications company
  - **Tasks**
    - Built ETL pipelines to clean, structure and train user emails to create custom email categories
    - Performed exploratory data analysis of time-series insurance data, and extracted key insights
- **AthenasOwl, Quantiphi Inc., Mumbai, India** — Mumbai, India
  Data Engineer — *January 2018 - January 2019*
  - **Project**
    - Built data infrastructure and architecture of the AthenasOwl ML platform
  - **Tasks**
    - Built a Gateway API for authorization, authentication and user management of a multi-tenant platform-as-a-service (PaaS) infrastructure
    - Leveraged GCP services to build a create-and-destroy architecture based Machine Learning solution
    - Researched, designed and implemented a custom ML platform on a Kubernetes cluster using docker APIs

Certifications

- **Google Cloud Professional Data Engineer** — Worldwide
  https://cloud.google.com/certification/data-engineer — *September 2018 - September 2020*