Chinmay Mokashi

Email : chinmaymokashicm@gmail.com
Linkedin: https://www.linkedin.com/in/chinmay-mokashi/
Mobile : +1-346-339-7614
Github: https://github.com/chinmaymokashicm
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 in Biomedical Informatics, Machine Learning in Biomedical Informatics, 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, scikitearn, scikit-image, Excel
- **Data Engineering**: Google Cloud, MySQL, REST API, PySpark, BeautifulSoup, NLTK, YouTube Data API
- **Software Engineering**: Python, Node, React, Flask

EXPERIENCE

- **School of Biomedical Informatics, UTHealth** — Houston, TX
  Graduate Researcher - Imaging Informatics — *May 2022 - May 2023*
  - **Projects**
    * Building an automatic deep learning tool to screen patients for endometriosis
    * Building an automatic deep learning tool to screen patients for inverted papilloma
  - **Tasks**
    * Implemented nnU-Net pipelines on annotated 3D MRI sequences and CT images
    * Collaborated with healthcare professionals to review, annotate and clean MRI data
    * Performed text processing on radiology reports

- **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

- **School of Biomedical Informatics, UTHealth** — Houston, TX
  Graduate Researcher - Social Media — *May 2021 - September 2021*
  - **Project**
    * Built a visualization tool to identify misinformation on YouTube regarding vaping
  - **Tasks**
    * 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

- **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*