SUSANTA DEKA

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dekaghub.github.io/Deka-Portfolio/

SKILLS

- dbt - Data Modeling/Transformation
- AWS - Glue, EKS, VPS, etc.
- Data Visualization/Analytics
- Excel, Python + Data tools (SQL, Pandas, Dask, etc.), Airflow
- Next.js, NGINX, Postgres
- Docker, Kubernetes, Ansible, TF, Go

PERSONAL

PROJECTS

- kaggle profile
- Ticket mgmt full stack app using Next.js
- Dockerized this ticket app, applied CI/CD with GitHub Actions, used cdk8s-plus to generate k8s manifest for deployment with ArgoCD GitOps & private repos
- Demo - youtu.be/l58EIv-0G5Y
- Deployed k8s cluster with prometheus & Grafana for MongoDB monitoring
- Go Microservices - Multiple backend services connected with gRPC, RabbitMQ, REST
- Demo - youtu.be/aH3UfKTCsa0
- dbt & AWS - Used AWS CloudFormation to create Data Warehouse (RedShift) then connected dbt to build data models
- Bandcamp Discover - random music from Bandcamp based on keywords, python streamlit app deployed on AWS EC2 instance
- Spotify Playlist Analysis + Web Scraping

MACHINE LEARNING

- Graduate Research with 3D Point Cloud segmentation & object detection
  - Tested models after literature review
  - Set up environment + docker, data preprocessing & training on HPC server
- Reading research papers - Mamba, Transformers, CNNs, etc.

OTHER EXPERIENCES

- Music Production Mixing Mastering
- Video / Photography
- I play guitar & DJ, Call of Duty
- My music on SoundCloud

EXPERIENCE

GRADUATE RESEARCHER, UNIVERSITY OF WEST FLORIDA

- Implementing SoTA research models on 3D Point Cloud data for segmentation & classification. Worked on data preprocessing, setting up envs in a HPC server.

OFFICE OF INTERNATIONAL SERVICES, INDIANA UNIVERSITY

Reporting & sunapsis Support Specialist (2020 - 2022)

- Institutional Reporting for Executive Director & Associates
  - Admissions related reports - Year-over-Year (YoY) Comparison
    - Used Tableau to make dashboards split by Programs, Academic levels, campuses, country of origin, etc.
    - Used SQL & Excel to transform data from multiple sources
  - Other reports: Immigration Compliance Reports, Term Reports, etc.
- sunapsis Support Specialist
  - Led implementation projects (clients - MIT Scholars, NJIT, etc.)
  - Data migration + project planning with client staff & tech teams
  - Worked on client issues & tickets - writing responses, training sessions, making video tutorials/demos

OFFICE OF ADMISSIONS, BGSU

Student Computer Programmer (2017 - 2020)

- Worked with Outreach Team to create reports & personalized mailing for prospective students using SQL & Slate
- Migration of older pages and web forms in Admissions website to newer standards & formats
- Used PHP, Mustache templating, SQL, Technolutions Slate (CRM), UAS (in house) for work

BGSU Hackathon

Team Leader + Presenter (February 2020)

- Built a web app that recommends a track from Spotify based on facial emotion by taking a selfie on phone
- Used Spotify & Google Cloud Vision api with Python Flask
- Organized tasks, roles, objectives & milestones for the team

SCHOOL OF MEDIA & COMMUNICATIONS, BGSU

Web Design Specialist (January 2017 - May 2018)

- Managed the BGFalconMedia website using TownNews BLOX CMS
- Worked with student journalists and editors in designing/formatting pages for web & magazine

EDUCATION

Bowling Green State University, Bowling Green, Ohio

BS in **Computer Science** with **Data Science** Minor

GPA : 3.25   Graduated: **May 2020**

University of West Florida, Pensacola, Florida

MS in **Data Science**

Expected Graduation : **May 2025**