

ARYAN TIMLA

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EDUCATION

Bachelor of Science in Computer Science, University of Nebraska Lincoln August 2018 - May 2022
Minor(s) in Mathematics and Computational Biology and Bioinformatics (CBBI) **GPA** 3.64

Relevant College Coursework: Object Oriented Programming, Data Structures & Algorithms, OS Kernels, Software Engineering, Computer Systems Engineering, UNIX Programming, Statistics & its Applications, Programming Languages Concepts, Software Security in Practice and many more.

SKILLS

Languages	R, Python, SQL, C/C++, Java, HTML, CSS
Technologies	Git, GitHub, MySQL, VS Code, Shiny, Tableau, Jira, Microsoft Office, Google Analytics, Google Cloud Platform, BigQuery, Looker Studio
Familiarity with	Apache Airflow, Docker, MS Azure, AWS

EXPERIENCE

Data Analytics Specialist	July 2022 - Present
Nebraska Public Media	<i>Lincoln, NE</i>

- Developed an ETL data warehouse and automated the station's monthly report using GCP, R, GitHub Actions, and Shiny to process market audience estimate data.
- Collaborated with cross-functional teams on data-driven projects, developing research methodologies, executing data collections, and analysis, ensuring data confidentiality, and creating presentations.
- Engineered and optimized data pipelines using Apache Airflow, Docker, Google Cloud, Python, and R, resulting in a 50% reduction in data processing time and enabling real-time data analytics.

Data Analyst Intern	August 2020 - May 2022
Nebraska Public Media	<i>Lincoln, NE</i>

- Automated report system for nebraskapublicmedia.org and NPM's 6 Facebook pages on Looker.
- Generated insights from diverse data sources, such as web, social media, survey data, audience ratings, and marketing databases, utilizing APIs, Google Analytics, BigQuery, and R.
- Created reports and dashboards, performing regular and ad-hoc analyses and visualizations.

Senior Design Software Developer	August 2021 - May 2022
UNL School of Computing, YAO Integrated Digital Omics Lab	<i>Lincoln, NE</i>

- Developed a bioinformatics web application to display and manage protein post-translational modifications data sets using Python-Django, CSS-Bootstrap, MySQL, and MongoDB database.
- Practiced Agile SDLC methodologies: participated in the daily scrum and sponsor meetings for requirements engineering, employed planning poker, documentation, peer programming, and code reviews.
- Utilized pytest for unit testing, Selenium WebDriver for web UI testing, and pylint for code analysis.
- Implemented Continuous Integration and Deployment (CI/CD) using Travis CI and AWS EC2.

PROJECTS

React Portfolio: A personal website developed using React, featuring a responsive design, modern user interface, and interactive sections showcasing skills, projects, and work experience. ([Visit me](#))
Tech Stack: React, Tailwind-CSS, yarn, Getform.io, Github Pages

Project Conduit: A data pipeline project focused on automating data extraction, warehousing, aggregation, analysis, and reporting for Nebraska Public Media.
Tech stack: Apache Airflow, Python, R, GCP, Google Data Studio, and many more.

New pyP3DB: A bioinformatics web application to host and display protein Post Translational Modification (PTM) data sets more comprehensively, and securely.

Tech Stack: Python-Django, CSS-Bootstrap, MySQL, MongoDB, AWS, Travis CI.

Super Bowl Data Analysis: This data science project delves into the Super Bowl, generating insights into game outcomes, viewership, and halftime shows. ([View here](#))

Tech Stack: Python (pandas, pyplot, seaborn), Streamlit

INVOLVEMENTS

Data Literacy Cohort

January 2023 - August 2023

PBS

Remote

- Participated in monthly meetings aimed at enhancing data literacy among member media stations.
- Presented a group case study to a panel of data professionals.
- Attended workshops and PBS General Meeting conference 2023.

Search Committee

October 2022

Nebraska Public Media

Lincoln, NE

- Evaluated applications for the Development Specialist and Digital Engagement & Fundraising Specialist position openings while maintaining confidentiality.

Student-Faculty Committee

September 2020 – September 2021

CSE Student Advisory Board

Lincoln, NE

- Addressed concerns of students and faculty within the College of Computing through biweekly meetings.
- Planned a new Peer Mentoring Program for the department.

Social Media Coordinator

April 2019 – March 2020

Nepalese Student Association, UNL

Lincoln, NE

- Managed email and social media accounts of the organization such as Instagram and Facebook.
- Created and promoted events for the Nepalese community in Lincoln.

CERTIFICATIONS

- PBS: Data Management and Governance, Looker Studio
- DataCamp: Exploratory Data Analysis in R, Developing R Packages
- Google Skillshop: Google Analytics Certification, Advanced Google Analytics
- LambdaTest/Linkedin: LambdaTest Test Automation Professional Certificate
- CodeAcademy: Learn HTML
- DataCamp: Intermediate Python, Introduction to Airflow in Python, Intro to Tableau
- American Red Cross: Adult First Aid/CPR/AED