

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)
Cumulative GPA 3.64/4.00

SKILLS

Languages	R, Python, SQL, ABAP, C/C++, Java, HTML, CSS
Technologies	Git, GitHub, MySQL, VS Code, Shiny, Tableau, Jira, Microsoft Office, Google Analytics, Google Cloud Platform, BigQuery, Looker Studio, SAP, Neptune DXP
Familiarity with	Apache Airflow, Docker, MS Azure, AWS
Soft Skills	Adaptability, Attention to Detail, Communication, Critical thinking, Learning Mindset, Organizational skills, Problem-Solving, Time Management, Teamwork

EXPERIENCE

Programmer Analyst/Developer December 2023 - Present
NeBIS, University of Nebraska System *Lincoln, NE*

- Developing an SAP ABAP solution leveraging Neptune application to Voluntary Self-Identify Disability status for ADA compliance team, creating tables, logs, emailing program, and a front-end application.
- Designed and built an SAP reporting application for efficient employee information access and display, functioning as a user-friendly alternative to the PA20 transaction.
- Work closely with cross-functional teams of BASIS, HR, Payroll, Finance and Procurement on business information systems tasks and projects, gathering requirements, testing and training users.

Media/Business Development Data Analyst July 2022 - December 2023
Nebraska Public Media *Lincoln, NE*

- Leveraged GCP to build an ETL data warehouse for processing market audience estimate data, and utilized R and GitHub Actions to automate report generation and data visualization with Shiny.
- Collaborated with diverse teams on data-driven projects, developing research methodologies, executing data collections, and analysis, ensuring data confidentiality, identifying KPIs and creating presentations.
- Engineered and optimized data pipelines using Apache Airflow, Docker, Google Cloud, and Python, resulting in a 50% reduction in data processing time and enabling real-time data analytics.

Audience Insights Analyst Intern August 2020 - May 2022
Nebraska Public Media / Nebraska Educational Telecommunications *Lincoln, NE*

- Automated report system for nebraskapublicmedia.org and its 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 *Lincoln, NE*

- 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 at San Diego.

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.
- Organised 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
- GitHub: Career Essentials in GitHub Professional Certificate
- Udemy: Learn ABAP Objects
- DataCamp: Intermediate Python, Introduction to Airflow in Python, Intro to Tableau
- American Red Cross: Adult First Aid/CPR/AED