Reetesh Sudhakar

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US Citizen
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EDUCATION

Atlanta, Georgia	Georgia Institute of Technology	Expected Graduation: May 2024

- Bachelor of Science, Computer Science with concentrations in Artificial Intelligence and Information Internetworks
- GPA: 4.00

PROFESSIONAL EXPERIENCE

Incoming Software Development Intern	Siemens Digital Industries Software	October 2021

Research Intern – Raber Lab	Oregon Health and Science University	March 2020 – August 2021

- Researched the effect of genetic and environmental factors contributing to cognitive decline, conducting 10+ unique behavioral assays in the Department of Behavioral Neuroscience.
- Analyzed and reviewed 250+ behavioral assays using novel protocols, IBM SPSS Statistics, GraphPad Prism, to study possible genetic protective pathways for Alzheimer's development.
- Facilitated internal data organization standards to yield an increased efficiency of 25% in data collection and analyses across 15 collaborative projects.

PROJECTS

Productivity and Habit Tracker	Notion, Notion API, Plotly, Streamlit, Python	September 2021

- Scraped project and daily habit tracking data across 1 month from Personal Notion workspace utilizing Notion API database integration to analyze 10 different data frames
- Generated real-time data figures (bar charts, events scatter plot, and other models on a variety of data sets) with Plotly and increased accessibility of use with a locally hosted data dashboard using Streamlit web app deployment services

URL Shortener	Flask, Heroku, HTML, SQLAlchemy, Python	September 2021

- Created Flask web app to efficiently shorten URLs provided by users with random generated alphabetic redirected links using HTML and Python.
- Managed database using SQLAlchemy links to redirect users using previously created redirection URLs to prevent duplication and maximize user convenience.

"Effects of 5-Ion Beam Irradiation and Hindlimb Unloading on Metabolic Pathways in Plasma and Brain of Behaviorally Tested WAG/Rij Rats"	Frontiers in Physiology August 2021

- Conducted 150+ metabolic pathway and statistical analyses (volcano plots, PCA, PLSDA, SPLSDA) using Metaboanalyst to co-author research on the effect of micro-gravity and simulated space irradiation on metabolic pathways in rats.
- Developed 20+ integrated metabolic pathway figures using 200+ box-and-whisker plots and KEGG pathways in GraphPad Prism to visualize significant metabolic changes among 4 experimental groups. Third author in publication.

ACTIVITIES AND LEADERSHIP

Co-President, Advisor	PepTalk Debate	June 2020 – Present

- Recruited 60+ mentors and accumulated 100K+ monthly impressions, compiling 250+ inaccessible publications, 25 lectures, demonstrative debates, and sample cases to enhance curriculum for 120+ underserved debaters across 27 states.

Vice President, Special Projects	Fremont Debate Academy	February 2020 – Present

- Organized initiative to introduce debate across 7 OR middle schools and implemented curriculum in compliance with 100+ Common Core State Standards to introduce debate classes into schools across 3 states by training 50+ educators.

SKILLS

Technical Skills: Python, Java, JavaScript, HTML, CSS, PyCharm, IntelliJ IDEA, Anaconda, GitHub, IBM SPSS Statistics, GraphPad Prism, Metaboanalyst

Business Skills: Agile Methodologies, Product Management, Business Analysis, Teamwork, Leadership, Problem-Solving

Certifications: Project Management Foundations (August 2021), Project Management: Technical Projects (July 2021), Agile Product Owner Role: Foundations (July 2021), Product Management: Building a Product Roadmap (June 2021)