

Reetesh Sudhakar

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, Georgia

Expected Graduation May 2024

- Concentrations: Artificial Intelligence and Modeling & Simulation
- GPA: 3.75/4.00, Dean's List
- May-August 2022: Berlin Summer Abroad Program (Sponsored by College of Computing @ Georgia Tech)
- Relevant Coursework: Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Object-Oriented Programming, Linear Algebra, Discrete Mathematics, Computer Law

EXPERIENCE

Siemens Digital Industries Software

Software Development Intern

Remote

Dec. 2021 – Present

Georgia Tech Vertically Integrated Projects

Undergraduate Researcher

Atlanta, Georgia

Jan. 2022 – Present

Oregon Health and Science University

Research and Analytics Intern

Portland, Oregon

Mar. 2020 – Aug. 2021

- Analyzed and reviewed 250+ behavioral assays using 10+ novel protocols, IBM SPSS Statistics, GraphPad Prism, to study possible genetic protective pathways for Alzheimer's development in the Department of Behavioral Neuroscience.
- Facilitated and improved internal data organization standards for mouse colonies using Jupyter Notebooks (NumPy, pandas) to yield a 25% increase in efficiency for data retrieval, collection, and analyses across 15+ collaborative projects.

PROJECTS

Sentiment Analyzer Bot

Jan. 2022

- Built Telegram messaging bot to provide sentiment analysis of Twitter users' accounts on a daily level with configurable sample sizes, retrieved using the Twitter API and normalized with NLTK Tokenize and regular expressions.
- Generated sentiment analysis of scraped user tweets using the Google Natural Language API, providing bot users efficiently with an average sentiment from a given Twitter user based on classifications utilizing the Telegram Bot API.

URL Shortener

Sep. 2021

- Created Flask web app to shorten URLs 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"

Aug. 2021

Frontiers in Physiology

- Conducted 150+ metabolic pathway and statistical analyses (volcano plots, PCA, PLSDA, SPLSDA) using R and 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

PepTalk Debate

Co-President, Advisor

Broward County, Florida

Jun. 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.

Fremont Debate Academy

Vice President, Special Projects

Fremont, California

Apr. 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, HTML, CSS, JavaScript, PyCharm, IntelliJ IDEA, Anaconda, GitHub, IBM SPSS Statistics, GraphPad Prism, Metaboanalyst

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

Certifications: Product Management First Steps, Project Management Foundations, Project Management: Technical Projects, Agile Product Owner Role: Foundations, Product Management: Building a Product Roadmap & Building a Product Strategy