

# Hariaksha Gunda

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## EDUCATION

### The University of Alabama

Bachelor of Science in Data Science (GPA: 4.0/4.0)

Tuscaloosa, AL

May 2027

Bachelor of Arts in Foreign Languages and Literature

Minors in Computer Science and Global and Cultural Perspectives

Relevant Coursework: Machine Learning, Mathematical Theory of Data Science, Math Stats w/ Applications

Distinctions: National Award for Undergraduates of German, DoD Boren Scholar, DoS Gilman Research Scholar

## EXPERIENCE

### Culverhouse College of Business

Natural Language Processing Researcher

Tuscaloosa, AL

January 2024 – Present

- Develop a comprehensive web scraping script in Python to collect 1,000,000+ mission statements from tax-exempt organizations and charities in the US, UK, Canada, and Australia
- Utilize Natural Language Processing libraries spaCy and Doc2Vec to categorize nonprofits, identify trends within mission statements, and understand impact of statements on charitable giving and fundraising
- Train, validate, and test machine learning model to predict nonprofit revenue of 500,000+ nonprofits given the nonprofit assets, mission statement, state, and NTEE code

### Paderborn Research Center for Sustainable Economy

Visiting Researcher

Paderborn, Germany

May 2025 – August 2025

- Process and analyze 1,200+ firm-level survey responses about European Union General Data Protection Regulation (GDPR) in R and Python, cleaning and encoding 200+ variables for statistical modeling
- Apply chi-square tests across 10+ firm demographics and responses, identifying statistically significant differences in GDPR interpretation at  $p < 0.05$
- Develop and test machine learning classification models (logistic regression) to estimate probability of firm response behaviors (ex. sharing data, investing in AI, etc.) under varying GDPR interpretations

### Yayasan Planet Indonesia

Data Scientist

Pontianak, Indonesia

December 2024 – April 2025

- Create and analyze datasets of 20+ marine environmental data metrics, including ocean data, satellite imagery, carbon sequestration rates, and biodiversity markers
- Determine risk category and environmental importance of 38 Indonesian provinces using multi-criteria decision analyses with Python, R, and Excel
- Write policy and strategy report for prioritization goals of Indonesian provinces for marine environmental importance

## INVOLVEMENT AND LEADERSHIP

### The University of Alabama

Honors College Ambassador

Tuscaloosa, AL

January 2024 – Present

- Represent The University of Alabama at 10+ university-sponsored events and lunches each semester to inform prospective students and parents about student life and opportunities at the university

### Zeta Psi International Fraternity

Scholarship Officer

Tuscaloosa, AL

January 2023 – Present

- Host 5 workshops for 20+ students per semester on scholarship application best practices, resulting in a 75% increase in number of completed applications submitted in Spring 2024

### South Asian Culture Club

Executive Secretary

Tuscaloosa, AL

September 2022 – May 2024

- Organize 6 cultural events annually for students/faculty, including gatherings with 450+ attendees. Notable events included International Prom and Mock Shaadi, which received UA's Best Event Award

## SKILLS

**Skills:** Python, C/C++, HTML/CSS/Javascript, Java, R, SQL, TensorFlow, PyTorch, Scikit-Learn, MATLAB, Git

**Languages:** Telugu (Native) | Indonesian (Fluent) | Malay (Full Proficiency) | German (B1: Full Proficiency)