SAI ADITYA KODURI

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EDUCATION

The University of Texas at Austin **Expected Graduation, May 2027**

B.S. Statistics & Data Science, Certificate: Computer Science, GPA: 4.0/4.0 Austin, TX

- **Relevant Coursework:** Data Science & R, Statistical Thinking, Data Structures & Algorithms (MIT OCW), Discrete Math (MIT OLL), Elem. of Software Design, Elem. of Comp. & Programming
- **Activities & Societies:** Freshman Research Initiative (Quantum Computing), Machine Learning & Data Science Club, Intramural Basketball, Texas Association for Computing Machinery, Freetail Hackers, American Statistical Association.

TECHNICAL SKILLS

Programming Languages: Python, Java, R, JavaScript, HTML, CSS, Swift
Libraries/Frameworks: NumPy, scikit-learn, pandas, Tableau, ggplot2, dplyr, shiny, BeautifulSoup
Technologies: Docker, Git, AWS (S3), PyTorch, MS PowerBI, MS Office Suite
Work Authorization: Eligible to **work in the U.S. with no restrictions**; Employment Authorization Document (EAD) holder

WORK EXPERIENCE

The University of Texas at Austin | Quantum Computing FRI **January 2025 - Present**

Undergraduate Researcher Austin, TX

iCode Franchise **January 2023 - February 2024**

Coding Instructor Leander, TX

- Instructed topics of Python, Java, and C# to 30+ students twice a week with a focus on app and web development using XCode and Swift applications to create personal websites and games.
- Developed and conducted a 40-hour summer camp to foster students' passion for drone programming and game studio development using Python to implement computer vision techniques.
- Coordinated lectures with hands-on learning using Raspberry Pi to teach processing, physical computing, input/output (GPIO), programming, and IoT with data collection from sensors.

Kiranam Technologies **June 2023 - August 2023**

Data Analyst Intern Dallas, TX

- Analyzed large datasets to develop 20+ efficient models trained to a 95.6% accuracy rate by cleaning, sorting, and filtering, and using Power BI & Tableau to provide insights to clients to make business intelligence decisions.
- Designed and presented a final visualized data report including 12 complex graphics based on a video game sales dataset to improve the budgeting of games, equipment, machinery, etc.
- Mentored by professionals with over 15 years of experience in the field and gained an objective world perspective of an information technology solutions company working with deep learning technologies.

Leander ISD Long Range Planning Committee **June 2023 - August 2024**

Youth District Coordinator, Student Voice Leander, TX

- Served in an advisory role to guide the school district and ensure alignment with the Strategic Plan using the 10-year framework by working with the LISD Superintendent and staff.
- Directed and assisted in a plan to build 2 new elementary schools in our district using more than $110 million from the school district budget to account for growth in the number of students at the primary level.
- Advised and discussed conflicts in the school district related to expanding schools, rezoning students, and dealing with the immense population growth in the North Austin area.

Illinois Institute of Technology **July 2023**

Data Visualization Intern Virtual

- Developed visuals and weekly reports for over 10+ sponsors that answer critical questions about their social media marketing business and their influenced profits made on advertisements.
- Produced an audience-appropriate data presentation aligning the best practices for data visualization with a 4-week-long project using insights from Tableau & Google Charts.
- Researched a wide range of ways to improve upon the marketing of a business using over 30 datasets by collecting, cleaning, filtering, and visualizing the data through density marks, bullet graphs, and highlight tables.

PROJECTS

Computer Vision Autonomous Cars | (AWS Rekognition, Teachable Machines, LOBE) **2023**

- Built an image classification model for identifying a wide range of elements in traffic data using computer vision.
- Collected and tested 600+ images on AWS Rekognition to collate, create an S3 bucket, assign custom labels, and train.
- Used Teachable Machine tools to compare results by training the model with epochs of 50, and a learning rate of 0.001 to produce a 97% accuracy rate in identifying traffic elements.