ABHINAV GANESH

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EDUCATION

The University of Texas at Austin, Austin, TX   May 2025
Bachelor of Science, Computer Science
   GPA: 3.8743

   Relevant Coursework: *Data Structures; Discrete Math; Computer Organization and Architecture; Matrices/Matrix Calculations; Probability*

SKILLS

Technical/Computer Skills: *Advanced Java, Advanced Python, Basic HTML/CSS/Javascript, Intermediate Data Science*
Languages: *Intermediate Spanish, Basic Tamil*

EXPERIENCE

Texas Convergent, Austin, Texas   August 2021 - Present
Incubator Engineer
- Worked with the startup Root Medical Translation to create an audio capture UI for a webapp for translation
- Skills used: *Angular, Azure, TypeScript, CSS/HTML/JavaScript*

Hutter Research Group, Austin, Texas   August 2021 - Present
Undergraduate Research Assistant
- Perform data analysis and build visualization tools to display gas data to aid analysis of differentiating properties of gas ionization as part of an effort to create a more portable technology to detect gas information.
- Skills used: *Python, Scikit-learn, Seaborn, Pandas, NumPy*

AiGo Learning   September 2021 - Present
Instructor
- Teach Scratch programming to a group of children around 7-9 years old and provide personalized help before and after class. Teach classes, evaluate assignments, and create homework.
- Futurehacks II - Acted as a judge in both preliminary and final rounds of hackathon; evaluated projects and asked questions of competing teams.

Data Inspired Young Analysts   June 2021 - July 2021
Student Mentor
- Led sessions, monitored students' progress, and answered questions related to Python programming, the Scikit-learn library, and fundamentals of Data Science as part of DIYA's Summer 2021 Data Science Bootcamp.
- Skills used: *Python, Scikit-learn, Seaborn, Pandas, NumPy*

Alpha Math   May 2019 - December 2019
Tutor
- Tutored kids from elementary to high school in math from basic operations to Geometry, Algebra II, and Pre-Calculus.

PROJECTS

StudySmart: A Tool to Extract Targeted Questions from Released AP Exams: August 2020 - May 2021
- *(Python, Google Sheets API, Tesseract OCR, Natural Language Processing, Scikit-learn, RegEx, Pandas, Tkinter, PandasTable)*
- Under mentorship of Professor Suma Bhat from the University of Illinois at Urbana-Champaign, designed and created downloadable executable application that utilizes Natural Language Processing to categorize questions from previously released AP Exams into units to help students focus on targeting specific areas to improve their scores

Data Inspired Young Analysts *(Python, Pandas, Scikit-learn)*   June 2021 - July 2021
- Predicted funding approval for school projects using data from DonorsChoose using data science and machine learning techniques and presented findings to a group of industry experts.

Approved Vendors Search *(HTML/JavaScript/CSS)*   January 2020 - March 2020
- Created webpage that allows users to search through a list of online stores of school-approved vendors to display the cheapest relevant results to best optimize the use of school funds.

Magnet Man Game *(Java, Swing Library, Threads)*   February 2019 - April 2019
- Created webpage that allows users to search through a list of online stores of school-approved vendors to display the cheapest relevant results to best optimize the use of school funds.

AI for 3D Connect Four *(Java, Swing Library)*   February 2019 - April 2019
- Created points-based algorithm that dynamically plays a game of 3-Dimensional Connect-Four

LEADERSHIP & COMMUNITY INVOLVEMENT

UT Austin Science Olympiad, Austin, Texas   September 2019 - Present
Event Coordinator, Event Supervisor
- Wrote, proctored, and graded Science Olympiad exam for both middle-school and high-school divisions for UT Science Olympiad Invitational