

Viswa Kasireddy

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Education | Graduation Spring 2021

Relevant Courses/Programs

- BS Computer Science - UT Austin
- Data Structures, Computer Architecture, Statistics, Autonomous Intelligent Robotics, Multivariable Calculus, Jefferson Scholars, Freshman Research Initiative, Data Science

Software Skills

Programming Skills/IDE

- JAVA 1.8, C/C++, Python, Shell Scripts, JUnit, Arduino, Swift, JAVA Swing
- Eclipse, JCreator, Net Beans, MySQL, PHP, JavaScript, YOLO, ROS, Tensorflow, Pandas

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Summer Intern

- Worked on Data Analytics Modules and AI search algorithms for predictive data analysis programs; developed functional test cases

Gaze of Virtual and Physical Agents

- Conducted and designed a project at the UT Austin Robotics lab to evaluate to what extent information is lost when dealing with gaze cues of a 3D object depicted in the 2D plane vs a 3D object depicted in the 3D plane.
- Modeled behavior in Unity, and manipulated components with calculations based on linear algebra and quaternions.

Robot Path Finding and Object Detection

- Developed an implementation of YOLO Object detection alongside ROS in order to refine navigation goals for path estimation as part of the UT BWI Program
- Utilized Tensorflow for more precision in environment detection
- Github link to projects and overviews: <https://github.com/Viswa-Kasireddy/UT-Robot-Stroll>

Mobile App Development

- Designed and developed a mobile social app to exchange books among users
- Won the award "MIT App Inventor Most Innovative App of the Month" <https://credly.com/u/2372735>
- Used Google FusionTables as a server to store data
- Link to Google Play Store https://play.google.com/store/apps/details?id=appinventor.ai_appinvuser09.BookToGive

Diabetes Risk Prediction Project

- Designed and developed a software application with the Java language that predicts a patient's risk of diabetes using demographic medical data using the Naive Bayes Algorithm
- Github link to project and overview: <https://github.com/Viswa-Kasireddy/NaiveBayesSolver-to-predict-risk-of-Diabetes->

Awards and Achievements

- Achieved a perfect score of a 36 out of 36 on the ACT
- Achieved a 1590 out of 1600 on the SAT, placing in the top 0.01%
- Achieved an 800 out 800 in SAT Math II Subject Test.
- National Merit Finalist

