ROHIL TULI

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EDUCATION

University of Florida   **08/2018 – 12/2021**

B.S. in Computer Science & B.S. in Mathematics   GPA: 4.000/4.0   Honors Program   **Gainesville, FL**

Algorithms Design / Data Structures & Algorithms / Information and Database Systems / Linear Algebra / Combinatorics

Land O Lakes High School   **08/2014 – 05/2018**

IB Diploma Programme   GPA: 4.000/4.0   SAT: 1580/1600   **Land O Lakes, FL**

EXPERIENCE

Mathnasium   **06/2019 – 08/2019**

Instructor   **Lutz, FL**

- Tutored students in mathematics at a local Mathnasium center
- Instructed students from all grade levels, from elementary school to high school and up to algebra and statistics
- Adapted to each student's specific needs and mathematical background, while often working with multiple students at a time

TECHNICAL SKILLS   ## LANGUAGES

Python / C++ / Java / Git / Microsoft Excel / SQL / LaTeX   English / Spanish / Hindi

PROJECTS

SwampHacks 2019   **01/2019**

Team Member   **Gainesville, FL**

- Worked on a team software project to create a transportation solution for students at the University of Florida
- Learned the basics of back-end technologies, such as SQL and Flask
- Implemented these with HTML and other front-end tools to develop a web application

Oh h1 Puzzle Solver Bot   **08/2019**

- Built a bot to solve the game Oh h1, which is also known as Takuzu or binary Sudoku
- Implemented Python libraries to read the image information on computer screen and control the cursor to solve the puzzle accurately
- Focused on designing an efficient algorithm to solve the puzzle, minimizing computationally intensive tasks

INVOLVEMENT

FIRST Robotics Competition Team 5276   **08/2014 – 05/2018**

Lead Programmer   **Land O Lakes, FL**

- Developed code in Java, utilizing Git and implementing relevant APIs, and collaborated to build a functional robot in six weeks
- Implemented PID algorithms for more accurate control of driverain and robot components, with camera and sensor feedback
- Designed electronics systems on the robot, including power distribution, microprocessors, sensors, and motors

Mu Alpha Theta   **08/2015 – 05/2018**

Tutor & Vice President   **Land O Lakes, FL**

- Tutored after school to help students prepare for upcoming competitions and exams, organizing resources for students to use
- Maintained spreadsheets to keep track of vital club information, such as members and fees, and managed communications to members

AWARDS

Google Hash Code 2019 – Our team placed 1st at the University of Florida and 38th in the entire United States
University Math Society Integration Bee – I was among the top 8 contestants at the university-wide integration bee
President's Honor Roll – University of Florida
National Merit Finalist, IB Valedictorian – Land O Lakes High School