ROHIL TULI

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EDUCATION

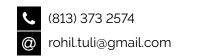**University of Florida**   **08/2018 – 12/2021**
B.S. in Computer Science & B.S. in Mathematics   GPA: 4.000/4.0   Honors Program   President's Honor Roll   **Gainesville, FL**

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Algorithms Design  /  Data Structures & Algorithms  /  Operating Systems  /  Information and Database Systems
Software Engineering  /  Programming Language Concepts  /  Linear Algebra  /  Combinatorics  /  Probability
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EXPERIENCE

American Express   **07/2020 – 08/2020**
Technology Summer Intern   **Sunrise, FL**
– Worked primarily on developing a Slack workspace automation in Python to support the Data Center & Mainframe organization
– Conducted comprehensive testing using Pytest to ensure proper behavior when interacting with users
– Implemented Slack APIs for real-time communication, and integrated libraries including Flask and NLTK
★ 1st place in the U.S. intern Codility Challenge

Embedded Systems Lab   **01/2020 – Present**
Undergraduate Researcher   **Gainesville, FL**
– Investigating current research problems in security, specifically within the domain of network-on-chip architectures
– Utilizing cycle-accurate simulators in order to implement and test different approaches and obtain results

Mathnasium   **06/2019 – 08/2019**
Instructor   **Lutz, FL**
– 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

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Python / Java / C++ / JavaScript / React / SQL / Go / Haskell        English / Hindi
Git / Agile / Test-Driven Development / Prolog / LaTeX
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PROJECTS

Anonym (OpenHacks 2020) 🔗   **05/2020**
– Built an entirely anonymous blogging platform using React JS and utilizing blockchain technologies with BlockStack
– Designed and implemented a decentralized moderation scheme with BlockStack, to control the platform's content fairly and without bias
★ Winner at the 2020 OpenHacks hackathon as an honorable mention

Help Deliver (hack:now 2020) 🔗   **04/2020**
– Created a web application using React JS to enable communities to assist those susceptible to COVID-19 with groceries
– Leveraged map APIs to display nearby grocery stores in the UI, and built the backend infrastructure using Go, MongoDB, and GraphQL

NeuroNav 🔗   **04/2020**
– Built a web application for the UF Neurosurgery Department to help assist patients and staff to manage appointments
– Served as the scrum master in a team of seven, implementing Agile methodologies during the development process
– Utilized React JS, Node JS, and MongoDB, along with numerous APIs (including Twilio and Google Maps)

HeadsUp (SwampHacks 2020) 🔗   **02/2020**
– Created a mobile application that incentivizes pedestrian alertness on the road in order to promote traffic safety on campus
– Built using React Native, leveraging Google Firebase to integrate cloud functionality

GatorWealth Financial Planner (HackFSU 2019) 🔗   **10/2019**
– Created a mobile app to help users to organize and consolidate their personal financial information; built using Flutter, Node JS, and MongoDB

0h h1 Puzzle Solver Bot 🔗   **08/2019**
– Built a Python bot to solve the puzzle game 0h h1 (binary Sudoku) by implementing libraries to interpret and interact with the computer screen
– Focused on designing a computationally efficient algorithm to solve the puzzle accurately

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
National Merit Finalist, IB Valedictorian – Land O Lakes High School, 2018