Rishi Santhanam

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EDUCATION

Texas A&M University (Grad. Spring 2024)
BS Computer Science
Relevant Coursework: *Data Structures and Algorithms, Operating Systems, Machine Learning, Programming Languages, Computer Organization, Programming Studio, Analysis of Algorithms*

SKILLS

Technologies: *C++, C, JavaScript, Python, Java, HTML, CSS, JavaScript, React.js, Node.js, Express.js, Next.js, PostgreSQL, SQL, NoSQL, MongoDB, Git, GitHub, Linux Scripting, UNIX Shell, Shell Scripting*
Fluent Languages: *English, French, Japanese, Tamil*
Other: *Graphic Design, Audio Engineering, Basketball, Public Speaking, Management, Leadership, Teamwork*

PROJECTS   (CHECK WEBSITE FOR MORE)

Higher or Lower (Tech Stack: *HTML/CSS, JavaScript*) (Website Link) (GitHub)
- A remastered web version of a simple card game I created freshman year. There are two types of rounds: higher rounds, and lower rounds. In a higher round, your card value must be higher than the opponent's, and for lower rounds, the opposite. Features an achievements and level system + card customization.

Houston Street Subs POS-Website (Tech Stack: *React.js, Express.js, PostgreSQL*) (Website Link)
- Worked in an Agile Team as Lead Developer in order to develop a website for Houston St. Subs at A&M. Incorporated APIs and more to develop an easy-to-use full stack CRUD application.

Atelier (Tech Stack: *React.js*, *Node.js*) (Website Link) (GitHub)
- Atelier provides artists with a convenient platform to showcase their work, and art lovers with an easy way to discover new and exciting artists and artworks.

Namu Database Creator (Tech Stack: *C++, makefile*) (GitHub)
- NamuDB is a program that allows you to store and retrieve data from a database. It features custom encryption, double encryption, and much more.

Population Simulation: A Study on Gene Variance (Tech Stack: *Python* and *Py Libraries*) (Write-Up)
- An experiment I simulated in a custom simulation engine where I created a sample population and tracked the evolution of custom personality traits within that population.

WORK EXPERIENCE

Head Attendant (Texas A&M Recreational Sports) (08/2021 - 09/2022)
- Monitored weight room etiquette and safety for up to 600 patrons, worked on hiring committee and trained newly hired employees, attended leadership conferences and managed attendants over 3 facilities

Peer Mentor (Texas A&M College of Engineering) (08/2021 - 12/2021)
- Mentored freshman year engineering students, helped them with problems and worked with professor to grade papers and assignment, met with students 1 on 1 to help them prepare for Entry-to-a-Major process

Mathematics Tutor (Mathnasium KV) (06/2019 - 12/2019)
- Tutored kids from grades K-12 in Math ranging from basic arithmetic to Calculus, tidied establishment and organized files for 70+ students