

Shivani Gandhi

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EXPERIENCE

Capstone Project, BSecurity

Aug 2021 - Dec 2021

- Created a **mobile application** which uses **facial verification** to determine if the correct clinician has arrived at the patient's location
- **Lead** and prepared for weekly meetings with **development team** and **stakeholders**
- Created Requirements, Architectural, Design, Testing, and Project Management **documentation**

Technology Intern, Charles Schwab

Jun 2021 - Aug 2021

- Organized and coordinated with other interns to **innovate a solution** to engage students from K-12 in **financial literacy**
- **Implemented and optimized** backend and client-side logging within various **APIs** to facilitate testing and monitor performance
- **Updated documentation** of running applications through **Confluence**

Intern, Toyota Motor North America

Jun 2020 - Aug 2020

- **Automated test scripts** to test functionality using internal software
- Created **technical documentation** to facilitate onboarding of new team members to automation software
- Lead virtual and in-person knowledge transfer sessions to **train new team members on software**
- **Lead on-site effort** to push for innovate ways in improving automation hardware-software setups
- Presented demos to executives to showcase progress in automation and steps towards improvements
- Utilized Qualtrics to **create models to analyze and visualize data**

PROJECTS

Pet Finder: Tinder for Shelter Animals

- Utilized **React** to create **backend routes** to add animals to a specific user to facilitate the user's experience
- Used **ReactStrap** to create **frontend components** to improve the user interface

Secure: Password Generator

- Implemented a **ranking system** to rate passwords and a **refresh feature** to generate new passwords
- Utilized **Flutter** to seamlessly integrate design with functionality
- Utilized **FireBase** as the database to store user data and passwords
- Created a **Requirements Specification Document** detailing prototypes, stakeholders, **requirements (functional and nonfunctional)**, and user stories

Percy the Chatbot

- Created a chatbot with data on Greek Gods and Goddesses
- Implemented a **knowledge base** with basic information on who the Gods, Goddesses, and Monsters are
- Utilized **Wikipedia library** in **Python** to perform **live look ups** for additional information on topics the user requests

SKILLS

Languages: Java, C++, C, Python, JavaScript, CSS, HTML

Tools: UNIX, React, Git, Qualtrics, JIRA, SQL, Tableau, Swagger, Splunk, Github, Slack, Microsoft Office & Teams

Soft:: Public speaking, Technical Documentation, Organization, Mentorship, Time Management

EDUCATION

M.S., Systems Engineering and Management

Jan 2022 - May 2023

University of Texas - Dallas

GPA: **4.0**

B.S., Software Engineering

Aug 2018 - Dec 2021

University of Texas - Dallas

GPA: **3.989**

ORGANIZATIONS AND LEADERSHIP

- **Society of Women Engineers** - Marketing Director : Apr 2020 - Jun 2021
- **WEHack UTD** - Marketing Director : Apr 2019 - May 2021
- **Freshman Mentor Program** - Student Mentor : Aug 2019 - May 2022

HONORS AND AWARDS

- Academic Excellence Scholar
- Dr. Gopal Gupta Undergraduate Scholarship for Computer Science established by ACM 2020
- vGHC Scholar 21