Suyesh Shrestha

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EDUCATION

Bachelor of Science in Computer Science | University of Texas at Dallas   **Graduation Date:** December 2024
GPA: 3.692
Relevant Coursework: Software Engineering, Database Systems, UNIX & System Programming, Probability and Statistics, Computer Networks, Advanced Algorithms, Data Structures & Algorithm Analysis, Computer Architecture

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript, Java, Python, C#/C++
Frameworks, Libraries and Tools: React, React Native, Tailwind CSS, Git/Github, SQLite, AWS, UNIX, Agile Methodologies

PROJECTS

Online Portfolio | Personal Website   December 2024 – January 2025
- **Built a responsive personal website** to highlight education, professional experience, projects, technical skills, and more to provide an insightful platform for visitors
- **Implemented a user-friendly contact form** allowing visitors to send inquiries, potential opportunities, or offers of collaboration.

Skills: HTML, CSS, JavaScript, React, Tailwind CSS

SocialCures 2.0 | Mobile Application & Administrative Dashboard Web Application   August 2024 – December 2024
- **Developed a mobile application for college students to enhance campus safety**, enabling users to view campus news and submit real-time incident reports.
- **Designed an online administrative dashboard** to analyze 100's of report sentiment scores and display analytics, integrating a Chabot capable of delivering specific data visualizations and responding to related queries.

Skills: Web Development, JavaScript, HTML, CSS, Git, React, React Native, UI/UX Design

Kitario Solar Array | Solar Array Schematics for Non-Profit Organization   August 2024 – December 2024
- **Created a solar energy solution to address the critical water supply needs** of the Kitario Settlement, Uganda with a population of around 400 people, resulting in a robust, scalable design for renewable energy in a resource-constrained environment.
- **Provide detailed logistics, visualized data, and comprehensive conceptual frameworks** to the Kellermann Foundation, outlining the solar array design and integrated control systems alongside 7 project members

Skills: Circuit Design, CAD, Team Management, Data Visualization using Python

Lovify | Song Recommender/Classifier Social Media Platform   January 2023 – May 2023
- **Developed a full-stack web application** analyzing music preferences, computing user compatibility, and offering personalized music recommendations
- **Collaborated with a team of 6 to create a Recommendation System** using advanced techniques such as cosine similarity and summary vectorization based on a user's top 50 liked songs

Skills: Python, Flask, Scikit-learn, HTML, CSS, JavaScript, Spotify Web API, AWS

WORK EXPERIENCE

Python/Robotics Tutor | Plano Independent Schooling District | Richardson, TX   July 2023 – Current
- Utilized interactive platforms such as Lego Spike and Lego WeDo 2.0 to **create an immersive learning environment, fostering both technical skills in robotics and creative abilities** for grades 3rd through 5th
- Instructed and mentored groups of up to 20 children aged 12-16 in **foundational Python programming and programming logic**

Robotic Process Automation Intern | General Motors Financial | Irving, TX   May 2024 – August 2024
- **Developed RPA bots** using Automation Anywhere A360 Suite environment to **eliminate low-value, redundant tasks and optimize processes** across the organization
- Introduced on-demand parameter input into RPA bots using Automation Anywhere's API resulting in real-time responses and an **increase in RPA bot reusability** ultimately saving **21 monthly hours** per year

Teacher's Assistant | Erik Jonsson School of Engineering and Computer Science | Richardson, TX   August 2023 – May 2024
- Evaluated assignment submissions for Discrete Mathematics for Computing I and II, **providing feedback to over 200 students** throughout the semester
- Collaborated with the professor to analyze students' errors, **tailoring instructional support to help students** understand mistakes

ASSOCIATIONS

Industry Officer | Artificial Intelligence Society | University of Texas at Dallas   January 2023 – May 2024
- Accrued over **$25,000** in sponsorships for HackAI, an Artificial Intelligence & Machine Learning focused hackathon
- Initiated outreach to 23 potential sponsors, **cultivating relationships** that resulted in mutual benefit