Anindita Deb

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Education

Kennesaw State University ***Aug 2019 - Dec 2024 (Expected)***

Dual Bachelor's Degree in Computer Engineering & Electrical Engineering

- SBL KSU Award for Events Engagement: 5th completer

Georgia State University ***Aug 2018- May 2019***

Dual-Enrollment

- Dean's List Fall 2018

Experience

Manager at McDonalds ***Dec 2020 - present***

- Inventory Stock management for 3 stores as well as Worker training and development.

Private Tutor ***May 2022 - June 2023***

- Taught calculus one, two and multi-variable calculus as a TA and volunteering

Leadership

Events Coordinator of Society of Women Engineers ***2020 - present***

- Certified Student Organization Training AY 2022 & 2023
- Focused on reservations and company outreach coordination for Campus and Off-campus events.

Marketing Coordinator of Computer Engineering Apprentices Club ***2021 - present***

- Maintained all social media platforms and advertising for Computer engineering based events
- Held hardware (embedded emulations) and software (coding) based workshops on campus

President of Computer Engineering Apprentices Club ***May 2024 - Fall 2024***

- Will further develop Computer/Electrical engineering-based events and community.

Personal Projects

Raspberry Pi 3B+ IP address display: (C++)

- Designed C++ code for the sensehat accessory to open and display the IP address of the RaspberryPi.

STM32 Nucleo Board Security System: (C and Python)

- Designed a vault locking system with an alarm system if there are numerous incorrect attempts to unlock the safe.

Vivado Basys3 24-bit Color Display Panel: (ASM- Assembly)

- Developed and implemented code for a LED pixel display board with individual light color selection options.

BeagleBone Black IoT Alarm Clock with Thermostat control: (JavaScript and Python)

- Developed this IoT alarm clock that can display local weather and the internal temperatures.

Research

Embedded-Wireless 6G Telecommunications Systems Design: ***Directive Study Jan - May 2024***

- Role: Project Manager for a team of 4 and responsible for active engagement and weekly reports
- Developing a drone security system capable of real-time facial/human detection in secure transmissions simulated in 6G networks. Machine Learning, Matlab simulations are heavily used in this project.
- Will be presented to IEEE conference, KSU research symposium of scholars and published as a research paper.

Printable Solar Panel Battery: ***Directive Study Jan - May 2024***

- Role: Project Manager for a team of 5 members responsible for bi-weekly reports on progress.
- Developing an efficient solar battery that is environmentally safe with minimal material waste while maintaining battery life and efficiency.
- Will be presented to IEEE conferences, KSU research symposium of scholars and published as a research paper.

Senior Design Proposal: ***Jan - Dec 2024***

- Role: Project Manager of a team of 4 and responsible for all deliverables including prototype for Senior Expo.
- Following the NPI process to develop/create/market a working IoT product with integrated hardware and application software. Designing custom PCB board & 3D prototyping and implementations.

Skills

Technical: Python, C++, C, ASM - Assembly, Javascript, Vivado, STM32 workbench, YOLO, OpenCV and Jupyter
Social: teamwork, communication, dependability, integrity and easy to work with.
Languages: English(Native), Hindi (Proficient), Bangla (Native), Spanish (limited working)