

# Anindita Deb

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## EDUCATION

### Kennesaw State University

Dual Bachelor of Science in Computer Engineering & Electrical Engineering

Kennesaw, GA

Aug 2019 - Dec 2024

- Student Leadership Award 2024 - SBL KSU for Campus Events Engagement(5<sup>th</sup> completer)

### Georgia State University

Atlanta, GA

Dual-enrollment

- Dean's List Fall 2018

Aug 2018 - May 2019

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, C, ASM-Assembly, JavaScript

**Software:** Visual Studio Code, Pycharm, Jupyter Notebook, OpenCV, Matlab, STM32CubeIDE, Vivado, Autodesk Fusion, & EAGLE

**Project Portfolio:** <https://github.com/dita-deb>

**Languages:** English(Native), Hindi (Proficient), Bangla (Native), Spanish (limited working)

## EXPERIENCE

### SixDotX Intern

Kennesaw, GA

Research Intern

Jan 2024 – Present

- Developing research to optimize AI models for real-time detection of road conditions and driver distraction, improving automotive safety.
- Conducted extensive data collection and analysis using camera-based systems, contributing to the development of a cutting-edge AI automotive safety model.

### Undergraduate Researcher

Kennesaw, GA

Kennesaw State University

May 2024 – Present

- Selected as one of 15 scholars for a prestigious summer research program at Kennesaw State University.
- Developed a machine learning model to be showcased at the Fall 2024 symposium, aimed at advancing state-of-the-art technology in AI-driven applications.

### Private Tutor for Calculus I, II, and multivariate calculus

Atlanta, GA

Freelance Tutor at DeKalb County

May 2022 – June 2023

- Provided personalized tutoring to high school students in a Title I school, helping bridge learning gaps post-pandemic and improved student performance in advanced calculus through targeted virtual sessions, fostering academic success in a critical STEM area.

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### Computer Engineering Apprentices Club

Kennesaw, GA

President

Jan 2024 - Present

- Led 350+ STEM students in workshops focused on technical skills and professional development.
- Organized 25 hands-on sessions to enhance expertise in embedded hardware and software development per term.

Marketing Coordinator

Aug 2021- Dec 2023

- Drove social media strategy and marketing campaigns for engineering events, significantly enhancing the visibility and attendance of events.

### Society of Women Engineers - Kennesaw State University Branch

Kennesaw, GA

Events Coordinator

Aug 2023 – Present

- Coordinated 89 outreach events, both on and off campus, building strong partnerships with industry leaders and enhancing professional opportunities for students.

## PROJECTS & RESEARCH

**Location Tracking Smart Necklace** | Python, AWS IoT, Autodesk Fusion, Eagle, OpenCV

Kennesaw, GA

Project Manager

Jan 2024 – Present

- Manager of a team of 4 and responsible for producing a working prototype for Engineering Expo Dec 2024.
- Following the NPI process to develop/create/market a working IoT product with integrated hardware and application software. Responsible for PCB design, 3D prototyping, and integration of hardware and software.

**Embedded-Wireless 6G Telecommunications Systems Design** | Python, C, Visual Studio Code, Matlab

Kennesaw, GA

Summer Undergraduate Research Program Scholar

Jan 2024 – Present

- Developed a drone security system capable of real-time facial/human detection in secure transmissions simulated in 6G networks.
- Presented at KSU research symposium of scholars and submitted to IEEE SoutheastCon as a research paper.