

ADITYA KULKARNI

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EDUCATION

PES University

B. Tech in Electronics & Communication

Bengaluru, Karnataka

Expected Graduation, September 2027

- Concentration: Analog Circuit Design, Cadence Virtuoso Software
- Current SGPA: 7.21/10.00
- Relevant Coursework: Statistics & Probability, Linear Algebra, Signals & Systems, Digital Circuit Design, Image Processing, Digital Signal Processing, Control Systems

EXPERIENCE

AIESEC

Senior Manager, AIESEC in Bengaluru

Bengaluru, Karnataka

June 2024 – February 2025

- I significantly enhanced my skills in cold calling and cold emailing. This improvement enabled me to organize numerous client meetings with prominent NGOs successfully.

Junior Manager, AIESEC in Bengaluru

February 2024 – June 2024

- As a Junior Manager at AIESEC, I developed expertise in cold calling, cold emailing, and market research.
- Within a few months, I successfully contacted several NGOs in Bengaluru and facilitated their partnerships with AIESEC to collaboratively work towards achieving the UN's 17 Sustainable Development Goals (SDGs).

Under25 Universe

Snapchat Opinion Leader

Bengaluru, Karnataka

June 2023 – January 2024

- Over the period of 9 months, I had the opportunity to create various Snapchat lenses for Under25.
- During this time, I was able to experiment with different design elements, animations, and interactive features to captivate and engage the young and dynamic audience.
- Working closely with the Under25 team, I tailored each lens to reflect the brand's vibrant energy and creative spirit.

PROJECTS

Drowsiness Detection Model

- Developed a real-time drowsiness detection system using YOLOv5 to identify fatigue signs (closed eyes, yawning) by fine-tuning the model on custom datasets.
- Implemented facial landmark analysis (eye aspect ratio) alongside object detection for accurate alert triggers. Optimized the model for edge deployment, achieving low-latency inference with OpenCV and PyTorch

SKILLS & INTERESTS

Languages: System Verilog, C, C++, Python, HTML/CSS, JavaScript, MATLAB

Tools: Simulink, QUCS Software, Xilinx Vivado, Cadence Virtuoso, MATLAB, LTSpice, KiCAD,

Interests: Professional Wildlife Photography, Intermediate Level Violinist