

Uday Kiran T

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EDUCATION

• JSS Academy of Technical Education, Bengaluru

CGPA: 7.6

B.E (Electronics and Communication), 2026

Coursework: Data Structure, Digital Electronics, Microcontrollers, Digital Signal Processing
Analog Electronics

PROJECTS

• Face Recognition System | Python, ML(KNN), OpenCV

- Implemented the K-Nearest Neighbor (K-NN) classification algorithm for face recognition.
- Utilized OpenCV and HaarCascades for precise frontal face detection under 700 milliseconds.
- Achieved an outstanding error rate below 3% on a dataset comprising 1,000 images.

• Sun Tracking Solar Panel using Arduino

(Mini Project – 5th Semester)

- Designed and implemented a dual-axis solar tracking system using Arduino to optimize solar panel alignment with the sun.
- Integrated light-dependent resistors (LDRs) and servo motors for real-time tracking to improve energy efficiency.
- Demonstrated up to 25–30% increase in solar energy capture compared to fixed-panel setup.

TECHNICAL SKILLS

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- Languages: C/C++ (Proficient), Python
 - Data Science: NLTK, NLP, Standard ML Algorithms (Regression, Classification, Clustering)
 - Data Analysis: Numpy, Pandas, Matplotlib
 - Developer Tools: VS Code, Git,

HONORS AND AWARDS

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- **Solved 100+ problems** on Codechef, Leetcode, Hackerrank..