



ANKUR PANDEY

Undergraduate
Electronic and Communication Engineering, People's
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EDUCATION

- P.E.S University, Bangalore** 2021
B.Tech in Electronics and Communication Engineering 7.55 CGPA
- K.D.M.A International , Kanpur Uttar Pradesh** 2020
Central Board of Secondary Education , Intermediate Percentage: 94%
- K.D.M.A International , Kanpur Uttar Pradesh** 2018
Central Board of Secondary Education , High School Percentage: 86.67%

Personal Projects

- Digital tool for image enhancement**
Created a advanced digital image processing techniques to eliminate background without the need for a green screen
 - Utilized tools & technologies: Python
 - Developed a **sophisticated color-based segmentation algorithm** that accurately identifies foreground objects by analyzing subtle color variations, resulting in precise reliable segmentation and successfully removes the background
- Radial basis function network for classification**
In the project we focused on the utilization of radial basis function (RBF) networks for classification.
 - Utilized tools & technologies: Python
 - Excelled in the application of radial basis function networks for classification on diverse datasets underscores my **proficiency in neural network architectures** and compare basis function after the successful execution with an **accuracy of 85%**
- Finite Impulse Response Filter**
Developed a FIR (finite impulse response) filter project using FPGA (field-programmable gate array) and SystemVerilog.
 - Utilized tools & technologies: Xilinx Vivado, FPGA
 - Implemented signal processing techniques on hardware successfully, achieving the purpose of modifying the input signal to accomplish desired signal processing objectives and achieved **25% improvement in signal clarity**

TECHNICAL SKILLS and INTERESTS

Languages: JAVA, PYTHON, MATLAB

Developer Tools: CST, Visual Studio, Xilinx Vivado, WireShark, Ropes, Google Colab,

Cloud/Databases: SQL

Soft Skills: Efficiency management and proficiency in managing myriad tasks simultaneously, Leadership, Team Collaboration

Coursework: DSA with Java , IEEE course on Digital Image Processing

Areas of Interest: Cricket, music, table tennis, travelling

POSITIONS of RESPONSIBILITY

- DISCO(Volunteer):** Aatmatrisha, annual techno-cultural fest of PES 2022
- DISCO(Organizer):** Samarpana, a marathon fund raising event; managed a crowd of 2000 2023
- Logistic and Finance Member:** Hopes Club, media club of PES university 2022-Present
- Logistic Member:** Weal, mental fitness club of PES 2023-Present
- Club Member:** Alcoding, coding club of PES 2023-Present

ACHIEVEMENTS

- Distinction Award Scholarships** for academic performance
- Top 20 Teams(out of 250+ team)** in the 24-hour state level hackathon SYNAPSE 2023