Abhit Pandey

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EDUCATION

NATIONAL INSTITUTE OF TECHONOLOGY PATNA
B. Tech in Electronics and Communication Engineering (2021-25)
CGPA: 8.2 (till 6th Sem)

DELHI PUBLIC SCHOOL
Intermediate March 2020
12th percentage – 88.2%

LINKS

LinkedIn: Abhit-Pandey
LeetCode: abhit
GitHub: Pabhit007

SKILLS

PROGRAMMING
Python • C++ • C

- Machine Learning
- Deep Learning
- Git • DBMS • MySQL
- Object Oriented Programming
- Natural Language Processing
- Pytorch Framework
- Operating System
- Computer Vision

Familiar:
- HTML • CSS
- MATLAB • AWS

COURSEWORK

Computer Hardware & Networking
Data Structures & Algorithm (C++)
Python for Machine Learning & Data Science

Digital Electronics
Analog Electronics
Semiconductor Devices and Technology
Digital Signal & Processing
Electromagnetic Field Theory
Microprocessor & Microcontroller

EXPERIENCE

IIT BHU | Research Intern, Department of Computer Science
June 2023 – July 2023 | BHU, Varanasi

- Developed and implemented various transformer-based models for dental image segmentation using deep learning techniques for training of 2500 images.
- Engineered tailored models for the given tasks by infusing SegNet convolution layers with transformers; achieved an IoU improvement of 20% compared to traditional segmentation methods.
- Employed effective data preprocessing and augmentation techniques to enhance the model's robustness and generalization capabilities and increased model's performance metrics over 90 %. *Certificate*

ACHIEVEMENTS

LeetCode
- Achieved a LeetCode contest rating of 1800+.
- Solved 450+ problems and earned 12 challenge badges.

Young Turks
- Ranked in the 99.50 percentile in a nationwide challenge organized by Naukri.com *Certificate*

KIMO Challenge
- Secured the 1st place in the college-level technical Challenge organized by KIMO *Certificate*

PROJECTS

HEART DISEASE PREDICTION | HACKSLASH PROJECT
- Employed advanced data analysis techniques and libraries to analyze a provided dataset, achieving an impressive 88% accuracy in predicting the presence of heart disease through the implementation KNN algorithm and deployed it using stream lit GitHub

CARVANA IMAGE MASKING | INTERN PROJECT
- Successfully implemented traditional Trans-UNet model by adding different layers of dilation, achieving a commendable accuracy of 98% and performance metrics such as dice score and iou over 97%. GitHub

TEXT-to-IMAGE SYNTHESIS | PROJECT
- Text-to-Image Synthesis involves generating realistic images from textual descriptions. The goal was to train on the CUB-200 dataset with 11,788 images and their text descriptions to interpret text descriptions and generate corresponding accurate images using AttnGAN, StackGAN. GitHub

EXTRA ACADEMIC ACTIVITY

HACKSLASH CLUB | TECHNICAL TEAM MEMBER
June 2021| NIT PATNA
- Fostered a supportive coding community that encouraged development

IEEE CLUB | TECHNICAL TEAM MEMBER
September 2021 | NIT PATNA
- IEEE, the world's largest technical professional organization with 400,000+ members, focused on advancing technology.