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Tushar Pal

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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY
B. Tech in Computer Engineering
May 2024 | Delhi,IN
CGPA: 8.76

SIDHHARTHA PUBLIC SCHOOL
CBSE - Class XII
Jun 2019 | Delhi, IN
Percentage: 79.2%

MAYUR PUBLIC SCHOOL
CBSE - CLASS X Jun 2017
Delhi, IN
Percentage: 83.6%

LINKS

Portfolio:// **tusharpal94.com**
Github:// **Tushar-r12345**
LinkedIn:// **tusharpal35**
Leetcode:// **tushar_35**
HackerRank:// **paltushar35**

COURSEWORK

UNDERGRADUATE
Data Structure
Object Oriented Programming
Operating Systems Design
Algorithm Design and Analysis
Database Management System
Computer Networks
CSR & Value Driven Leadership
Deep Learning

SKILLS

PROGRAMMING
Language:
C •C++ • Python • HTML/CSS • Javascript • SQL
Framework:
Keras•Tensorflow • Pytorch • ONNX • Flask • Streamlit • TFLite
Database:
MongoDB • MySQL
Tools/OS:
Github • VS Code • Pycharm • Jupyter Notebook •Windows • Linux • Ubuntu

EXPERIENCE

SAMSUNG RESEARCH INSTITUTE | Student Trainee
Jun 2023 - Present | Bengaluru, India

- Working with On-Device AI department, in which i am part of SNAP (Samsung Neural Acceleration Platform) team.
- Accelerates and optimizes various AI processes in automated devices, while also limiting data to one's device
- Skills: C++, Python, Tensorflow, TfLite, Pytorch, Onnx

PROJECT & RESEARCH WORK

ADHYAPANAM (A FULL STACK WEB APP) | Link

• Adhyapanam, a user-friendly website for live classes.
• Mentors can create any live session class for students along with that they can also post any important notification for students.
• This project was created using **Node.js, Express, MongoDB, Mongoose** and **Bootstrap**. **ReactJs** and **Material UI** in order to handle authentication **Mongo Atlas** for a cloud database.

VITAL - HEART (A MACHINE LEARNING MODEL WEB APP) | Link

• Vital - Heart identifies individuals who are at high risk of developing heart disease i.e. Diagnosis, as well as suggest potential treatment options based on that prediction.
•This project was created using **Python, Machine Learning, Random Forest Classifiers, Scikit Learn Library** , and for server side connection **Flask** and for integration with web it is done using **HTML/CSS and JavaScript** , **JQuery** and **Bootstrap** and **Postman** for backend request for build, test and iterate APIs

OPTISCAN (A MACHINE LEARNING MODEL WEB APP) | Link

• Developed OptiScan, an advanced eye disease classification system utilizing image analysis and machine learning.
•Trained on extensive datasets for high accuracy. Efficiently screens large numbers of patients. Seamless integration with healthcare systems.
•This project was created using **Python, Deep Learning** , trained on **PyTorch-based Convolutional Neural Network (CNN) model on a CUDA-enabled GPU**and for integration with web it is done using **Streamlit** , and **CSS**.

AWARDS

2023 **3rd** place in I2C2 hackathon 2023
2023 **top 10** place in Hacklipse 3.0 and won best business scope hack
2022 Max Leetcode rating is **1599** and **4-star** in SQL on HackerRank
2022 Global rank **2544** out of 25k participants Weekly Contest 300
2022 Global rank **4615** out of 24k participants in Weekly Contest 298

CERTIFICATION & VOLUNTEERING

• Completed courses using **python to interact with OS** and **Computer Vision basics** from Coursera
• Participated in **Daan Utsav** and encouraged others to plant more trees & work on some social cause