Deepankar Varma

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EDUCATION

THAPAR UNIVERSITY, PATIALA

B.E. in Computer Science
Expected 2024 | CGPA : 8.76

DELHI PUBLIC SCHOOL, GHAZIABAD

Class 12th CBSE
2020 | Percentage: 94.4 %
Class 10th CBSE
2018 | Percentage: 90.6 %

LINKS

- GitHub
- Leetcode
- Medium
- CodeChef
- DevFolio
- HackerRank

COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Computer Networks
- Database Management System
- Software Engineering
- Operating Systems
- Data Science, AI, ML
- Natural Language Processing
- Computer Graphics

SKILLS

LANGUAGES & FRAMEWORKS

- C/C++ • Python, R • HTML/CSS
- Flutter, Dart • Java • Django
- JavaScript (React.js, Next.js, Node.js)
- Databses (MySQL, SQL, PL/SQL, MongoDB) • React Native

SOFTWARE & DEVELOPMENT TOOLS

- Git & GitHub • Tableau • Linux
- Jupyter Notebook • Colab • MATLAB
- Android Studio • RStudio • Firebase
- Ubuntu • Kaggle

LIBRARIES

- pandas • NumPy • Matplotlib • csv
- openCV • sklearn • pyTorch • Keras
- Tensorflow • streamlit • scikit-learn
- nltk • transformers • wfdb • tqdm

EXPERIENCE

SBI LAB, IIIT-D | Summer Research Intern | May 2023 - Present
- Developed deep-learning models for ECG signal analysis of 44 diagnostic subclasses in heart anomalies.
- Utilized 100Hz and 500Hz sampling frequencies from the standard set of 12 ECG leads of PTB-XL and Chapman datasets.
- Employed models such as ST-CNN, ResNet, and Transformers to achieve maximum accuracy, AUC, AUPRC, and F1 scores.

CODECHEF | Doubt Solver | April 2022 - June 2022
- Assisted beginner-rated users by resolving over 100 doubts and guiding them in their coding/programming journey.

AIESEC IN INDIA | Ass. Member Marketing | Sept 2021 - Nov 2021
- Explored and created new ways to resolve problems with processes, technology or team members to improve overall efficiency.
- Enhanced the brochure of Business Case Challenge Event.

PROJECTS

MONKEYPOX SKIN LESION DETECTION | ML, CV, BioMedical Image Classification
- Developed a multiclass image classification model utilizing the ResNet50 architecture to accurately detect monkeypox from skin lesion images, achieving 100% accuracy.

QUESTION SETTER USING CHAT-GPT 3 API | JavaScript, CSS, Next.js
- Useful website for teachers for framing questions, just need to enter a block of text and the number of questions you want from that text.

COLLEGE-SAATHI APP | Flutter, Dart, Google Firebase
- Solves campus daily necessities,consists of facilities like vendor details, important contacts, upcoming event details, rickshaw ride booking, ride history, location finder, temperature, humidity, etc.

ADSHIP AIRLINES DBMS | SQL , PL/SQL
- Database system of an airline company consisting data of pilot, cabin-crew, assistance and aircraft maintenance workers details.
- Used concepts of designing ER Model, converting ER Model to tables, normalization, generalisation and specialisation.

ACCOMPLISHMENTS/ CERTIFICATIONS

- 3rd in inter-college event **Hacklipse**, 1st in **Kaggle Wars**, and won the ELC Activity with "COVO TOUCHLESS DOORBELL" project.
- Multiple summer internship offers from **NIT-T,IISER Bhopal,OneAssure**.
- **550+ Q.** on LeetCode, 2* (1564), **100+ Q.** at CodeChef.
- **60+ Minor Projects** (DS, NLP, AI, ML), **20+ Certifications** (John Hopkins University, DeepLearning.AI, etc.),**10+ Technical Articles** (Published on TowardsDev, TowardsAI).