

Innovative Computer Science Engineer with Expertise in Machine Learning and Data Science. Proven ability to collaborate effectively in multidisciplinary teams and deliver impactful solutions to real-world challenges. Seeking opportunities to leverage technical skills and contribute to cutting-edge projects in the field of artificial intelligence and data analytics.

EDUCATION

CENTRAL UNIVERSITY OF HARYANA

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING November 2020 - Present | Haryana, India | SGPA: 7.82

DAV PUBLIC SCHOOL

INTERMEDIATE - PCM WITH COMPUTER SCIENCE (STANDARD 12TH BOARD) March 2018 - April 2020 | Ranchi, Jharkhand | Percentage: 89

EXPERIENCE

MACHINE LEARNING INTERN | CLOUD COUNSELAGE PVT. LTD. | MUMBAI, INDIA

July 2023 - Sept 2023 (Summer Internship 2023)

- Collaborated with a multidisciplinary team to apply machine learning algorithms to real-world challenges, enhancing the overall understanding of keybusiness metrics.
- Developed a "PathfinderED": Navigating Graduation and Career Success LiveProject, resulting in accuracy
 of 93% on the validation dataset and reduced processing time by 18%.

DATA SCIENCE INTERN | BLACKCOFFER PVT. LTD. | REMOTE

May 2023 - June 2023

Conducted Data Mining activities to extract valuable insights from large datasets, resulting in a 15% increase in overall efficiency and cost saving.

TRAINEE | Abyuday IIT-Bombay Summer Training and Internship | Mumbai

Jun 2022 - Aug 2022

Developed a strong foundation in an application development using python and QTdesigner, achieving
proficiency in creating user friendly interfaces and implementing key functionalities.

PROJECTS

EMOTION BASED MUSIC PLAYER SYSTEM | PYTHON, JUPYTER, HTML, CSS

Mar 2023

An emotion-based music player system is a concept where music selection and playback are influenced by the
user's emotions or the desired emotional state. The system aims to create a personalized music experience
that aligns with theuser's current emotional needs or desired mood.

HUMAN ACTIVITY CLASSIFICATION USING DEEP LEARNING

BASED ON 3D MOTION FEATURES | RESEARCH AREA

Ongoing May 2023

Classify activities based on the movement feature of change in joint distanceusing Euclidean on the
order of frames in each activity segment as input to CNN model.

KAGGLE COMPETITIONS AND ACHIEVEMENTS

CHILD MIND INSTITUTE - DETECT SLEEP STATES

- The goal of this competition was to detect sleep onset and wake. We developed a model trained on wrist-wornaccelerometer data in order to determine a person's sleep state.
- Secured 829 Rank worldwide out of 1878 submissions with public score of 0.719.

BINARY PREDICTION OF SMOKER STATUS USING BIO-SIGNALS

- The goal of this competition was to use binary classification to predict a patient's smoking status given informationaboutvarious other health indicators.
- Secured 440 Rank worldwide out of 1908 submissions with public score of 0.87264

SALARY PREDICTION FOR JOB POSTINGS

- This competition was an in-class competition for the course, "Artificial Intelligence and Machine Learning (Fall 2023)", in Renmin University of China. The competition was to predict the salaries of jobs posted on websites in US..
- Secured 42 Rank worldwide out of 83 submissions.

ESO BATTERY FORECASTING HACKATHON

- The goal of the competition was to predict the charging and discharging patterns of batteries on the electricity network, and the key drivers of this behaviour, forecast battery behaviour for Great Britain's ElectricitySystemOperator.
- Secured 25 Rank worldwide.

MULTI-CLASS PREDICTION OF CIRRHOSIS OUTCOMES

• The goal of the competition was to use a multi-class approach to predict the outcomes of patients with cirrhosis (Impaired liverfunction).

ZINDI COMPETITIONS

CGIARCROPDAMAGECLASSIFICATION CHALLENGE

• Build a model to classify damage type across multiple seasons crop into five categories (Good growth (G),

Drought (DR), Nutrient Deficient (ND), Weed (WD), and Other (including pest, disease or wind damage)).

SKILLS

PROGRAMMING LANGUAGES

Python, C/C++, R, SQL

Familiar:

Python, R, SQL, Shell

PYTHON LIBRARIES

Pandas, NumPy, TensorFlow, Sklearn, Keras, Scipy, OpenCV, PyTorch, Seaborn, Matplotlib, Beautiful Soup, PyQt, Streamlit

MATHEMATICS

Statistics and Probability, Linear Algebra, Calculus

OTHER

NLP, Deep Learning, API, Statistical modelling, Excel, PowerBI, HTML/CSS, Exploratory Data Analysis, Git & Github, MySQL & SQLite databases, Content Writing, Research and Analytics

CERTIFICATIONS

- Swayam IGNOU Online course certification on 'Introduction to Cyber Security'
- Swayam IGNOU Online course certification on 'Digital Forensics'
- Swayam NPTEL online course certification on 'Introduction on machine Learning'
- Edx MIT 6.00.1X online course on Introduction to Computer Science and Programming with python'.
- Swayam NPTEL online course certification on 'Data Analytics withPython'
- Swayam IGNOU Online course certification on 'Image Processing using Python'
- Swayam IGNOU Online course certification on 'Computational Neuroscience'.

AREA OF INTEREST

- Data Science/Machine Learning/Deep Learning
- Cybersecurity
- Digital Forensics
- Computational Neuroscience

PERSONAL DETAILS

- Languages: English & Hindi fluency in English
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- Github
- LinkedIn
- Kaggle
- LeetCode