இந்திய தனிப்பட்ட அடையாள ஆணைய அமைப்பு

இந்திய அரசாங்கம்
Unique Identification Authority of India
Government of India

பதிவு அடையாளம் / Enrollment No.: 2007/26117/21466

To
நிஷாந்த்
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8394 7962 0230

ஆதார் - சாதாரண மனிதனின் அதிகாரம்

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இந்திய அரசாங்கம்
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நிஷாந்த்
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NISHANTH J

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EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science   Aug 2022 – May 2026

Sri Sairam Engineering College, Chennai, Tamil Nadu.   CGPA: 8.76

PROJECTS

Miss Data: Data Preprocessing App (Flutter)

- Developed a cross-platform app to clean Excel/CSV data, cutting manual effort by 30% and speeding up preprocessing by 40%.
- Streamlined data cleaning tasks, reducing manual intervention by approximately 30%.

Herbica AI: Medicinal Plants Identifier Webpage (CNN)

- Constructed a Convolutional Neural Network (CNN) using TensorFlow to predict medicinal plant species from leaf images, achieving an accuracy of *93.7%* on the test set.
- Led end-to-end model development (data acquisition to deployment), reducing processing time by 35% and improving web UI responsiveness by 50%.

EXPERIENCE

Cloud IT Solutions, Chennai, India

AI & Machine Learning Intern   *June 2024 – July 2024*

- Developed a Generative Adversarial Network (GAN) model using TensorFlow to generate synthetic data, improving data augmentation efficiency by 20%.
- Designed an Image Modification Percentage Calculator in Python, improving image processing accuracy by 25% through statistical analysis and feature engineering.

Prodigy InfoTech, Virtual

Data Science Intern   *March 2023 – April 2023*

- Visualized data distributions for various variables using Python, facilitating better data-driven decision making.
- Built a decision tree classifier to predict customer purchases, improving prediction accuracy by 20% based on demographic and behavioural data.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL.

Problem Solving: Solved 100+ problems on LeetCode using Java and Python.

Web Development: MERN Stack (MongoDB, Express.js, React, Node.js).

AI/ML & Deep Learning: Machine Learning, Deep Learning, Neural Networks, GANs, CNNs.

  (Experience with frameworks such as TensorFlow/Keras, PyTorch, scikit-learn)

Data Processing: Pandas, NumPy, Feature Engineering.

Data Visualization: Tableau, Power BI.

Relevant Coursework: Machine Learning, Data Structures & Algorithms, Database Management Systems, Operating Systems, Software Engineering.

Area of Interest: Web Design and Development, Artificial Intelligence, Data Science & Analytics.

Soft Skills: Public Speaking, Problem Solving, Critical Thinking, Self-learning, Presentation, Adaptability, Team Player, Self-Discipline, Collaboration.

PUBLICATION

Deep Learning Technique for Medicinal Plant Leaf Identification: Using Fine-Tuning of Transfer Learning Model - IEEE Xplore (OCTOBER 2024)

- Published in IEEE Xplore – DOI: 10.1109/ICICCS53718.2023.10780185

ACHIEVEMENTS

- Completed courses on NPTEL, Udemy, Coursera, Spoken Tutorial IIT BOMBAY, IIRS, LEARNATHON.
- Organized an auction-based job selection event incorporating budget strategizing and team management.
- Best Academic Performer Award – 4th semester.
- Runner of Intra-College Speech Competition, Winner of Essay Writing Competition.
- Hosted a National Conference on Advancement in AI and Emerging Trends.