

ARAVINDHSAMY P

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Enthusiastic with a strong passion for exploring innovative technologies and driving impactful solutions. Eager to apply my skills in a dynamic and forward-thinking environment, I am committed to contributing meaningfully to a company's growth and success. With a focus on hands-on experience and continuous learning.

EDUCATION

COLLEGE OF ENGINEERING , GUINDY ANNA UNIVERSITY 2023 - 2025

- ME Computer Science and engineering CGPA - 6.12

INDRA GANESAN COLLEGE OF ENGINEERING 2018 - 2022

- BE Computer Science and Engineering CGPA - 7.99

BISHOP HEBER HR SEC SCHOOL , TRICHY 2016 - 2018

- HSLC - 60.5%
- SSLC - 77%

Skills & Proficiencies

- Python , R
- Data Visualization | Cleaning | MLOps
- MySQL ,MongoDB
- Web Scraping
- A / B Testing

TOOLS

- Numpy | Pandas | scikit - learn
- CI/CD - Github,Git Promtheus.
- Hadoop | MLFlow
- Tensorflow
- Excel | Power Bi | Tableau

COURSEWORK

Machine learning | Internet Of Things | Operating Systems | Compiler Design | Data Structures & Algorithms Devops | User Interface Design

LANGUAGES

Tamil | English

WORK EXPERIENCE

Oxford Engineering - Teaching Assistant

Handling Lab Subjects Python , OOAD, Cloud Computing - Aug 2022 to Feb 2023

SS SOFT SOLUTIONS - Digital Marketing Assistant Intern (10 months)

AZSA TECH - Full Stack Web Developer Intern (6 months)

PROJECTS

Enhanced Neighbor Features for Large-Scale Indoor Point Cloud Semantic Segmentation (Deep Learning)

- Developed a more robust model capable of handling complex indoor environments with varying object densities and geometric structures.
- Led the implementation of the dl model for semantic segmentation.
- TensorFlow , Open3D , Numpy, Pandas , CUDA .

Recipe Sharing Platform using MERN - CI/CD Pipeline

- Built a fully functional recipe sharing platform that enables users to upload, share, and search for recipes.
- Implemented a robust CI/CD pipeline to automate deployment, improving development speed and reducing manual errors in production.
- Responsible for both frontend and backend development, focusing on user authentication, recipe management features, and the UI/UX design.
- React, CSS , Node.js, Express , Jenkins, GitHub Actions, Docker, Kubernetes

Yoga Trainer AI System (Deep Learning)

- Developed an AI-powered yoga trainer that can recognize poses and provide real-time feedback to users, ensuring better form and posture.
- Led the AI and deep learning model development for pose estimation and feedback generation.
- TensorFlow , MediaPipe , Flask , React, HTML5 Video API ,MySQL

Customer Churn Prediction (Machine Learning)

- Develop a decision support tool for the business, which can identify high-risk customers and allow for targeted retention strategies
- Perform data exploration, cleaning, and feature engineering. Ensure the model performs well on unseen data and interprets business-relevant insights.
- Python , Pandas , NumPy , Scikit-learn , XGBoost , Seaborn , SQL , AWS

CERTIFICATIONS

- IBM Accelerated Deep Learning with GPU
- NPTEL- Data Analytics With Python
- Regional round of SAP sponsored Hackathon - Hackfest and proposed a crowdsourced idea for disaster management
- DIGITAL SKILLS: Web Analytics - Accenture
- Participated in ML MANIA and DESIGNATHON event conducted as a part of ABACUS 2024 organized by Computer Science and Engineering Association.