Aryan Santosh Chabukswar

AI enthusiast

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CAREER OBJECTIVE

As a dedicated tech enthusiast, I am eager to utilize my skills in data analysis, machine learning, software development, and AI to drive innovation and contribute to cutting-edge solutions. Seeking opportunities for continuous learning, growth, and impactful contributions across various technical domains.

EDUCATION

- *Bachelor's Degree in Artificial Intelligence and Data Science* — 9.0/10.0 CGPA
  AISSMS Institute of Information Technology [Aug 2020 - June 2024]

EXPERIENCE

- **Assistant AI Trainer** at AiAdventures, Pune — Mar 2023 - Aug 2023
  - Facilitate AI training workshops, providing hands-on experience with machine learning algorithms and tools.
  - Lead troubleshooting sessions to address technical challenges and provide guidance to participants.
  - Assist in curriculum development and content creation for AI training programs.
- **Machine Learning Intern** at AiAdventures, Pune — Sep 2022 - Mar 2023
  - Worked on real-world projects, implementing machine learning models to solve complex problems.
  - Contributed to data preprocessing, feature engineering, and model evaluation using Python and scikit-learn.
  - Collaborated with senior data scientists to develop and deploy predictive models, enhancing operational efficiency.
- **Data Science Intern** at AutomatonAI Infosystem, Pune — Dec 2021 - Aug 2022
  - Collaborated with cross-functional teams to analyze and extract insights from large datasets using Python and SQL.
  - Assisted in the development of custom data models and algorithms for optimizing product development and marketing strategies.
  - Conducted exploratory data analysis and applied various machine learning techniques to generate actionable business insights.

SKILLS

- **Technical skills**
  Python (OOP, Numpy, Pandas) • Statistics • Data Processing • Data Visualization (Seaborn, Matplotlib, Plotly) • Exploratory Data Analysis (EDA) • Data Collection • Web Scraping (BeautifulSoup, Requests) • Supervised and Unsupervised Modeling • Hyperparameter Optimization • Ensembling Techniques • PyTorch, Keras, Tensorflow • Convolutional Neural Networks (CNN) • Transfer Learning • Hugging Face • Computer Vision (OpenCV) • HTML • CSS • Flask (Basics for web-based applications) • NLP Techniques and Applications • SQL (Data querying and manipulation) • MySQL
- **Non - Technical skills**
  Communication • Teamwork • Problem-Solving • Time Management • Leadership • Data Collection • Presentation

PROJECTS

- **Sentiment Analysis using ML algorithms and Lexicon-based approach**
  Implemented sentiment analysis using machine learning algorithms and a lexicon-based approach. | Covered data preprocessing, exploratory data analysis, data transformation, modeling, and application development. | Developed a Flask application with both Vader Sentiment Intensity Analyzer and model-based prediction.
  - GitHub: Sentiment Analysis | Demo: video
- **AutoMLify - Automated ML Model Selection and Evaluation**
  Created a web-based tool for automated machine learning model selection and evaluation. | Users can upload CSV files, and AutoMLify determines classification or regression tasks. | Automatically trains and tests various classifiers and regressors, simplifying model selection process.
  - GitHub: AutoMLify
- **Predictive Customer Churn Analysis: A Machine Learning and Deep Learning Approach**
  This customer churn prediction approach involves data preparation and model building, optimizing for accuracy. Evaluating models using metrics guides the selection and deployment of the best-performing model for predicting customer churn.
  - GitHub: Customer Churn Prediction
- **DengAi Disease Spread Prediction**
  Incorporating ML , we forecast dengue spread. Data prep, model training, and evaluation drive accurate predictions. Deployment aids proactive dengue control and prevention.
  - GitHub: Dengue Spread Prediction
- **MalDetect: A Hybrid Approach for Malware Detection using ML and Custom Deep Neural Networks**
  Focused on malware detection through machine learning in a binary classification setting. | Involved data preprocessing, comparative analysis of classifiers, and custom neural network architecture with PyTorch. | Investigated regular fit method vs. fit one cycle and aimed to identify and classify malware, with potential for expansion.
  - GitHub: MalDetect
- **CassavaAI: Vision Transformer-based Disease Detection for Cassava Plants**
  Developed an advanced deep learning project using PyTorch and Vision Transformer (ViT) architecture. | Aided in accurate and efficient detection of diseases in cassava plants for improved agricultural practices.
  - GitHub: CassavaAI

ACTIVITES, AWARDS AND EXTRACURRICULAR

- **Technical Lead of GeekForGeek Chapter 1** at AISSMS IOIT, Pune — July 2023 - present
  - Organized and led technical workshops and seminars on data science, fostering a collaborative learning environment.
  - Championed initiatives to enhance technical knowledge and skills within the GeekForGeek community.