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Ayush Joshi

Data Scientist

EXPERIENCE

Param.ai - Software Engineer Intern | Hyderabad, India

Jan '24 - Present

- Researched and analyzed various products in the multi-channel outreach space, leading to the design and implementation of a robust solution for multi-channel outreach.
- Developed an API for integration into the <u>tidyhire</u> app, emulating human behavior to extract LinkedIn profile details and interact with them discreetly to evade detection by LinkedIn's bot detector.
- Demonstrated proficiency in translating the organization's specific requirements into user-friendly software solutions.
- Actively participated in team meetings by proposing and implementing solutions to enhance and expand the functionality of the existing system.
- Created comprehensive documentation for the API, facilitating efficient training for both new and existing team members.

PROJECTS

- tscore Twitter Tweets Sentiment Analysis | Github
 - o Developed and implemented an NLP-based solution for detecting the polarity of text for sentiment analysis.
 - Developed and maintained NLP-pipelines for data pre-processing and feature extraction.
- ai Lightweight Machine Learning Library | Github
 - Researched and crafted Machine Learning algorithms with numpy-compatible functions, ensuring both sophistication and design flexibility for optimal performance.
 - Attained a remarkable 99%+ accuracy, matching Scikit-Learn's estimators, showcasing precision and excellence in algorithmic design.
 - Achieved impeccable 99%+ accuracy in implementing a robust <u>statistics</u> module, comparable to <u>numpy.statistics</u>, enhancing computational efficiency.
 - Spearheaded the development of a documentation generation pipeline using pdoc, elevating technical communication standards and ensuring clarity.
 - Led deployment of impactful, comprehensive <u>free-course on Machine Learning</u> covering Linear Regression, Gradient Descent, Feature Engineering, Feature Crosses, Regularization, Logistic Regression, Classification, and Neural Networks.

EDUCATION

Bachelor of Computer Application

Sep '21 - Present

Dehradun, Uttarakhand

- Shri Guru Ram Rai School of Computer Application & Information Technology

 Cumulative CGPA: 8.04/10
 - Relevant Coursework:
 - o Programming Languages | Mathematical Foundation of CS | OOPS
 - o Data Structures & Algorithms | Computer Networks | DBMS | Software Engineering
 - o Artificial Intelligence | Data Mining | Data Science | Cloud Computing

KEY SKILLS

Data Analysis • Data Science • Machine Learning • Statistics • Programming • Problem Solving • Documentation
 • Natural Language Processing • Text Classification • Data Processing

TECHNICAL SKILLS

- Languages: Python, JavaScript, C++, C
- Tools & Frameworks: Scikit-Learn, Numpy, Pandas, Matplotlib, NLTK, Ubuntu, GIT
- Machine Learning Models: K-Nearest Neighbors, Linear Regression, Logistic Regression, Gaussian Naive Bayes, SVM, Decision Trees, Random Forest, PCA