SHRUTIKA PEDAMKAR

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Experienced software engineer with 2 years of proven expertise in commercial applications and software development. Proficient in utilizing a wide range of tools and programming languages to deliver effective applications. Seeking a position within a company that offers challenging assignments and responsibilities, coupled with opportunities for professional growth and advancement. A passionate technology enthusiast eagerly looking to contribute skills and experience to an industry. I have a valid work visa to work in the UK and do not require a sponsorship. I currently live in Manchester and I am willing to relocate.

EDUCATION

Msc in Artificial Intelligence, University of Essex, UK **Jan 2022 - Jan 2023**
Grade: 2:1

Bachelors in Computer Engineering, Goa University, India **June 2015 - Aug 2019**
Grade: 2:1

WORK EXPERIENCE

Software Engineer, Goa Electronics Limited **Oct 2020 – Dec 2021**

- Technical experience includes Website Development using **HTML/CSS, JavaScript and Database Management using PostgreSQL and MySQL**.
- Worked with software development team members to design and develop robust software using Java to meet client requirements for functionality, scalability and performance.
- Technical experience includes Website Development, Database Management, and Web Service integration.
- Work with experienced team members to conduct root cause analysis of issues, review existing code.
- Maintain product quality by carrying out reviews, performing continual tests, analysing feedback, and managing software integration.

Junior Developer, Anant Infomedia Pvt Ltd **Sept 2019 – Sept 2020**

- Design, test and develop software using Java and scripting languages like **HTML, CSS3 and JavaScript**, and Database Management using **MySQL** to meet user needs.
- Maintain product quality by carrying out reviews, performing continual tests, analysing feedback, and managing software integration.
- Designed and built effective and attractive user interfaces for a variety of platforms.
- Wrote code to specification in order to build two public-facing web-based applications for a variety of clients.
- Managing software integration.
- Introduced agile methodologies using **JIRA**.

TECHNICAL SKILLS

- LANGUAGE : Python, PL/SQL, JavaScript, Java, HTML, CSS, C, C++
- PACKAGES: Pandas, NumPy, Seaborn, SciPy, Matplotlib, Scikit-learn, NLP, TensorFlow
- FRAMEWORK: scikit-learn, NLTK
- TOOLS: Visual studio, SQL Server, Vs code, PyCharm, Microsoft Azure, AWS, GitHub
- DATABASES: SQL Server, PostgreSQL, MySQL

KEY SKILLS

- Ability to use more than one development language
- To understand the problem and formulate to solve using data driven techniques.
- Knowledge in various machine learning algorithms and pre-processing techniques.

CERTIFICATIONS

- Advanced NLP with Python for Machine Learning
- Generative AI: Working with Large Language Models
- SQL Essential Training (2019)

KEY PROJECTS

Offensive Speech Classification, Text Analytics

Developed a machine learning model for offensive speech classification as part of an academic project in text analytics. The project aimed to automatically identify and categorize offensive language, hate speech, and inappropriate content in OLID data.

- Collected labeled text data for training and evaluation.
- Preprocessed and extracted features from the data.
- Trained and refined the model using G**radient Boosting and Multinomial Naive Bayes**.
- Considered ethical implications.
- Achieved high accuracy in offensive speech classification.

Supervised & Unsupervised Learning, Data Science

- Three datasets were chosen, each having varying degrees of imbalance, and exploratory data analysis was performed onthem.
- Libraries such as **Pandas, Numpy, SciPy, Scikit-learn, Keras and** Matplotlib were used
- Using the **Random Forest technique**, overfitting was addressed.
- The Elbow and Silhouette techniques for clustering were applied, and the **K-means algorithm** was employed to count the number of clusters. The Random Forest algorithm was trained against the standard, then compared.