JAIRAJ KOLHATKAR

Software Engineer

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SUMMARY

As a recent graduate with a degree in Computer Science, I am eager to apply my skills and knowledge to a dynamic software engineering role. With a strong foundation in programming languages such as Java, Python, and JavaScript, as well as experience working on projects both independently and in a team, I am excited to learn and grow alongside a supportive organization that values creativity and innovation.

EDUCATION

- **B.E in Computer Science and Engineering** | June 2023
  Prof Ram Meghe College of Engineering & Management, Amravati, India

- **12th** | March 2019
  Golden Kids Junior College, Amravati, India

- **10th** | March 2017
  Dnyanmata High School, Amravati, India

PROJECTS

- **Air Quality Prediction**
  - Developed a **Python-based ML model** predicting pollution levels. Achieved 92% accuracy in predicting air quality index using a **Linear Regression model** in Python.
  - Validated through 90% data analysis, ensuring high-quality input and reliable predictions.
  - Conducted comprehensive data analysis, ensuring a clean dataset with 98% data completeness.

- **Prediction of jobs and admission in engineering based on demographic locations**
  - Predicted job outcomes and college acceptance using advanced statistical methods and ML algorithms.
  - Conducted comprehensive **Exploratory Data Analysis** (EDA) to analyze datasets, employing data visualization techniques.
  - Implemented and optimized algorithms like **Stochastic Gradient Descent, XG Boost, and TensorFlow/Keras** for superior predictive performance

- **Online Resume Builder**
  - Developed industry-accepted, visually appealing resume templates using **Java, JavaScript (JS), and CSS** to ensure a professional presentation.
  - Designed an **intuitive GUI** for seamless customization of resume sections, allowing users to update information according to their needs.
  - Implemented Java for backend logic, enabling a one-click functionality to instantly publish completed resumes. This streamlines the process for quick sharing on professional platforms.
  - Integrated **Jasper Reports** in Java to dynamically generate personalized resumes in both PDF and DOC formats.

SKILLS

- **Programming**

Python   SQL   JAVA   JavaScript   Node.js   HTML   CSS

- **Databases & Servers**

MySQL   Streamlit   SQL Lite   MongoDB

- **Development**

GIT   GITHUB   VS Code   Eclipse

- **Data Science**

Standard ML Algorithms (Regression, Classification, Clustering)   NLP   NLTK   Numpy   Pandas   Keras   Matplotlib

ACHIEVEMENTS

- **Winner of Smart India Hackathon** (SIH) 2022 Organized by AICTE and MoE's Innovation Cell (Government of India) for students to solve daily lives problems inculcating culture of product innovation and problem-solving mindset.