SANDRA KO

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SUMMARY

With a wealth of experience and proficiency in Python, Django, and Flask, motivated to utilize web technologies and data science knowledge to spearhead creative projects and improve system efficiency. Dedicated to providing scalable, topnotch solutions and enhancing user experiences through skilled coding and teamwork collaboration.

WORK EXPERIENCE

Python Developer Intern , Right Soft Options   **Aug 2023 - July 2024**

- Leveraged advanced Python methods to significantly enhance overall system performance, ensuring reliable and high-quality project outcomes.
- Implemented robust data analysis solutions and optimization strategies, driving a 20% improvement in data processing efficiency.

EDUCATION

- **MASTER OF COMPUTER APPLICATIONS**   **Oct 2021 - June 2023**
  APJ Abdul Kalam Technological University (KTU)
- **BACHELOR OF SCIENCE IN COMPUTER SCIENCE**   **June 2017- July 2020**
  University of Kerala

CERTIFICATIONS

- Diploma in Python with React and Data Science
- Certification in Operating Systems, NPTEL
- Web Development and Automation with Python Programming
- Python Skills Certification, HackerRank
- Software Engineering Internship Skills Certificate, HackerRank

TECHNICAL SKILLS

- Programming Languages: **Python, JavaScript**
- Web Development: **HTML, CSS, Bootstrap, jQuery, AJAX**
- Frameworks: **Django, Flask, Angular, ReactJS**
- Database Management: **MySQL, MongoDB**
- Data Science Libraries: **NumPy, Pandas, Matplotlib, SciPy**

PROJECTS

- **Crafting Digital Excellence Blog**   **July 2024**

  Developed a dynamic blog using Django, Python, CSS, and HTML, increasing user engagement by 20% through a polished digital experience and high-quality content presentation.

- **Code Elect Vote System**   **Oct 2023**

  Designed a voting platform with Django, Bootstrap, and SQLite3, boosting user engagement by 25% and improving backend processing efficiency by 30% with a streamlined and intuitive interface.

- **Semantic NLP Enhancement (Question Matching)**   **April 2023**

  Enhanced NLP capabilities by integrating Word Mover's Distance (WMD), Siamese networks, CNNs, and RNNs, achieving a 40% increase in processing speed and improved model accuracy using Streamlit, Sentence Transformers, and Gensim.

- **Rit Soft V2**   **March 2022**

  Revamped a PHP and HTML software system at RIT College, improving functionality and user experience. Implemented automated performance monitoring, reducing processing time by 70% and increasing productivity by 30%.