Nara Eam

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PROFESSIONAL SUMMARY

Innovative ML/AI Engineer with 2+ years of experience in developing and optimizing machine learning systems. Proficient in Python and TensorFlow, adept at transforming prototypes into functional models. Actively contributes to projects from concept to deployment, enhancing business solutions through data-driven insights.

EDUCATION

Master of Information Technology   **Feb 2020 – Dec 2021**
University of Western Australia, Perth
GPA: 6.2/7

Bachelor of Applied Finance   **Feb 2017 – Dec 2019**
Macquarie University, Sydney
GPA: 6.2/7

WORK EXPERIENCES

Norwood System, Perth, Australia, ML/AI Engineer   **Aug 2022 – Current**
- Revamp data science prototypes into fully operational AI models, increasing user engagement by 25% on iOS and Android platforms.
- Engineer and deploy robust ML systems with Docker and Kubernetes, boosting deployment speed by 20% and scalability by 35%, enhancing system performance and reliability.
- Implement various ML algorithms, including predictive modeling and neural networks with Python and TensorFlow, to elevate the accuracy and efficiency of real-time data processing.
- Implement and streamline AI model deployment processes using Docker and Kubernetes, enhancing efficiency and ensuring consistent application performance across platforms.
- Enhance prediction accuracy of machine learning models by over 30% through rigorous statistical analysis and model optimization techniques.

Data Science, Perth, Australia, Freelance   **Dec 2021 – Current**
- Implement data scraping and preprocessing from various sources, enabling enhanced decision-making processes for a diverse client base.
- Address model accuracy challenges in dynamic settings by training and validating ML models, achieving up to 95% accuracy, enhancing reliability for client projects.
- Fine-tune and deploy ML models for real-time analytics, achieving 95% uptime and reducing latency by 20%, boosting operational efficiency.
- Demonstrate adaptability and effective communication across projects, meeting diverse client needs and expectations.

KZ Code Education, Perth, Australia, Coding Instructor   **Aug 2021 – Dec 2021**
- Delivered coding education in Python to children, adopting innovative teaching methods tailored to individual learning styles, fostering an environment of curiosity and growth.
- Demonstrated excellent communication skills and patience and adapted different teaching methods to meet each child's needs.
- Maintained an engaging and supportive learning environment for all students.
- Received positive feedback from parents and students.

Pacific Home Loan, Sydney, Australia, Intern   **Mar 2019 – Jun 2019**

- Engaged with clients to assess their financial needs, guiding them towards suitable loan options and assisting with the application process, showcasing a proactive approach and dedication to client satisfaction..
- Overseeing the recommendation that I provided was fulfilled- by preparing the loan application and performing general duties as necessary.
- Undertook various operational tasks, contributing to the team's efficiency and the smooth execution of services

PROJECT

Create a budgeting software with a team of 5

- Client: Rachel Cardell-Oliver, Head of Department, UWA Computer Science.
- Requirements: Desktop software, upload files, store all information into database, Get summary report, with data and visualization.
- Engineered budgeting software using Flask and SQLite with an Electron JS frontend, enhancing financial reporting efficiency by 40% for department heads.
- Incorporated data analytics and visualization with a summary report for client budget.
- Utilized Selenium web driver and Python unit test for testing, and Git/GitHub for version control.

EXTRA-CURRICULAR ACTIVITIES

EY_BWW_Data_Challenge   **Feb 2024 – Apr 2024**

- Engaged in the EY Open Science Data Challenge, applying advanced data science techniques to assess cyclone impacts via satellite imagery.
- Utilized Python and the YOLO8 algorithm for object detection to differentiate between damaged and undamaged buildings, effectively applying computer vision in practical scenarios.
- Developed TensorFlow models that enhanced cyclone impact analysis accuracy for supporting critical disaster management efforts.
- Worked with a diverse team of experts to leverage collective critical thinking and develop comprehensive disaster management strategies.

TECHNICAL SKILLS & CERTIFICATE

- **Programming Languages:** Python, R, Java, C++, Swift, Julia, JavaScript
- **Machine Learning:** TensorFlow, Numpy, Pandas, SkLearn, HuggingFace (Transformers), CNN, RNN
- **Data Management:** MySQL, SQLite, Postgres, MongoDB
- **Web Development Frameworks**: Flask, Django, Express, Vapor
- **Web Frontend development** - HTML, CSS, React
- **DevOps**: Docker, Kubernetes
- **Business Intelligence**: Tableau, Power BI
- **Web scraping**: BeautifulSoup, Selenium
- **Certificate:** AWS Certified Cloud Practitioner

REFEREE

- Available Upon Request