Aneel Kana

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EDUCATION

University of Illinois At Chicago, College of Engineering **Chicago, IL**

Bachelor of Science in Computer Science - Concentration in Software Engineering May 2024

- GPA: 3.73 / Major GPA: 3.63
- Honors: Cum Laude, Dean's list (8x), 2020-2021 Illinois State Scholar, President's Award Program
- Relevant Coursework: Data Structures, Program Design, Programming Practicum, Software Engineering

WORK/LEADERSHIP EXPERIENCE

AI & Machine Learning Contractor **Skokie, IL**

Various Projects Focused on LLMs July 2024 - Present

- Designed and implemented prompts to effectively interact with large language models (LLMs) for optimal output quality
- Analyzed and debugged model responses, refining both prompts and underlying code to enhance accuracy and relevance
- Wrote efficient code to automate workflows, reducing manual processing time by 10+ hours per month
- Conducted extensive testing and iteration on LLMs, contributing to a 20% increase in LLM response accuracy

PROJECTS

Breast Cancer Tumor Classification with Machine Learning

- Collaborated to implement multiple machine learning algorithms and models on a breast cancer tumor data set to solve a malignant or benign classification problem
- Conducted comprehensive data preprocessing, including feature scaling, normalization, and handling missing values to prepare data set for model training
- Implemented logistic regression, support vector machines (SVM), K nearest neighbors (KNN), neural networks, decision trees and random forests using python libraries such as scikit-learn and TensorFlow
- Utilized cross-validation techniques to assess model performance and mitigate overfitting, optimizing hyperparameters through grid search
- Achieved 99.5% classification accuracy by optimizing multiple machine learning algorithms
- Conducted performance analysis by measuring training and inference times, and memory usage for each algorithm

Spartacus Rise of a Gladiator

- Collaborated to implement an action/adventure video game using Unity Game Engine
- Implemented Scrum methodology to organize tasks, conduct sprints, and maintain effective communication leading to efficient development cycles and timely delivery of project milestones
- Demonstrated strong problem-solving skills and adaptability resolving technical and optimization issues to meet project requirements and performance targets

PawPal

- Collaborated to design and implement a volunteer coordination program for animal shelters in the form of a software as a service (SaaS)
- Conducted research and reached out to 5 animal shelters, incorporating 10+ user driven features
- Implemented Extreme Programming (XP) principles, such as pair programming and continuous integration, to enhance code quality and promote rapid feedback loops
- Utilized Kanban boards to visualize workflow and track progress, facilitating transparency and collaboration

CERTIFICATIONS

Microsoft Certified: Azure AI Engineering Associate **October, 2024**

- Demonstrates proficiency in designing and implementing AI solutions using Microsoft Azure.
- Skills: AI Solution Design, Machine Learning, Natural Language Processing, Computer Vision, AI Model Integration

SKILLS

Technical Skills: C++, C#, C, Java, JavaScript, React, Python, SQL, HTML, CSS
Tools: Eclipse, Microsoft Visual Studio Code, Maven, VMWare, Git, Github, Unity, MySQL