

SANMATHI GURUPRASAD

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OBJECTIVE

To obtain a position as a Software Engineer in a dynamic and innovative organization that provides opportunities for professional growth and development. With my expertise in Python, HTML, CSS, JavaScript, SQL, Git, Docker, Linux, and AWS services with a strong foundation in object-oriented programming and operating systems.

EDUCATION

Master of Computer Science, University Of Colorado, Denver Expected 2023

Relevant Coursework: Operating Systems, Algorithms, Data Structure, Object Oriented Programming, Artificial Intelligence.

Bachelor of Computer Science, Bapuji Institute of Engineering and Technology 2016 - 2020

SKILLS

Technical Skills AWS, Docker, Linux, Git, Database

Programming Languages C++, Python, JavaScript, HTML, CSS, SQL

EXPERIENCE

Machine Learning Engineer Intern Sep 2020 - Dec 2020

AI-Bharath *Bangalore, India*

- Developed AI/ML-based cancer detection application for a stealth mode startup focused on medical applications
- The application was designed using Panda, NumPy, and TensorFlow. The project also included an extensive collection of datasets, training/testing of datasets, and validation.

Artificial intelligence Intern Jan 2019 - Mar 2019

Tequed Labs *Bangalore, India*

- Assisting in the development of machine learning algorithms such as Linear Regression, Logistic Regression, and K Nearest Neighbors. Responsible for collecting and analyzing data to improve the performance of machine learning models.

PROJECTS

Assistive System for Blind People Using YOLO. Built a tool that turns the visual world such as video and printed text into the audio world with the potential for informing blind people about objects and their spatial positions by converting them into speech. Implemented using OpenCV, Numpy, Imutils, YOLO V3, COCO dataset, gTTS, Tesseract(OCR), REST API.

Fraud Detection in the stock market. Built a project that involves the use of advanced machine learning algorithms to identify potentially fraudulent activities in the stock market. Developed using, Python, TensorFlow, Scikit-learn, and PyTorch.

Research Paper Phishing Detection Techniques The paper catalogs the causes of a phishing attack analyzes techniques behind various phishing attacks, evaluates proposed defense mechanisms, and how they are incorporated in enterprise networks.

CERTIFICATIONS

AWS Cloud Practitioner

Machine learning Certified by Stanford University

Data Structures and Algorithms in Python by Jovian

C C++ Certified by National Institute Of Information And Technology