Swathi Swaminath K

Python | R | Data Science | Machine Learning | Artificial Intelligence

Contacts

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https://github.com/SwathiSwaminathK

Skills

Python, R Language, C programming, C++, Machine Learning, Deep Learning, HTML, CSS, SQL, Computer Vision, Flask, Sci-kit learn, MongoDB, Web Scraping, Keras, Seaborn, Matplotlib, NumPy, Pandas

Knowledge

Database: SQL

Visualization Tools: Tableau, Power Bi

UI Tech: HTML, CSS

Education

- **Bachelors of Technology –** Computer Science and Engineering, 2016 – 2020 batch,

  Sree Narayana Gurukulam College of Engineering, Ernakulam, Kerala, India.

- **Diploma –** Data Science and Artificial Intelligence, 2021 – 2022 batch,

  KELTRON, Thiruvananthapuram, Kerala, India.

Summary

- Worked as an **Artificial Intelligence Developer** using **ML**, **DL**, **NLP** and **Computer Vision**.
- Working Experience and Extensive knowledge in **Python** with libraries Such as **Sklearn**, **TensorFlow**, **NumPy**, **Pandas**, Matplotlib, Seaborn.
  Worked on tools like – Visual Studio, Jupyter Notebook, Anaconda, Google Colaboratory, R Studio.
- Have Excellent communication and agile team work experience.

Work History

❖ Artificial Intelligence Specialist

TenzoTech, Noida

05 Nov 2022 – 6 Mar 2023

Roles and Responsibilities

- Analyze the insights of the data
- Perform **Feature Engineering** using **Python** libraries.
- Train and build the models using **Machine Learning**, **Deep Learning** algorithms.
- Evaluate the Accuracy of the model
- Works with **Scikit-learn**, **Computer Vision**, **TensorFlow** and **Keras**.

❖ Alexa Skill Developer Intern

Blue Planet Info Solutions Pvt Ltd, Pune

03 May 2021 – 30 July 2021

Roles and Responsibilities

- Actively involved in creating **Database**
- Connecting the Database with the **Alexa**
- Creating the **Alexa intents** for the **Audio** and **Background Responsive Intents**, **Utterance** and **Slots**.

❖ Junior AI Developer

Strokx Technologies Pvt Ltd, Ernakulam

28 Sept 2020 – 8 Mar 2021

Roles and Responsibilities

- Creating the Websites using HTML, CSS and Bootstrap
- Optimize and pre-process the data before building a classification model.
- Perform **Feature engineering** on data using Python libraries like **NumPy**, **Pandas**, **Seaborn**.
- Build and Train the Model using **Machine Learning** Algorithm.
- Analyze and Predict the Accuracy of the Model.
- Work with **Computer Vision**, **TensorFlow** and **Keras**.
- Training and Performing on **Neural Networks** of **AI**

Projects

➢ Design of ATM Security through Smart Vision
  - We designed an **ATM security** in which, when a person enters an ATM with a weapon or doing any **Malpractice** inside the ATM then the **surveillance camera** takes the **shot** along with the **alarm notification** and **sent** them **to** both **Bank and Police Station** at **that Instant**. This was implemented using the **Random Forest Classifier** Algorithm in **Python**.
  - Achieved an Accuracy of **86**% after training the model.
➢ Convert T1 type MRI images into T2 type MRI images using CycleGAN
  - Link - https://drive.google.com/drive/folders/1Jxl-X-MGyKbFzHDI4tosQFR3awa4F89B?usp=sharing
➢ Brain Tumor Detection using VGG16 of Deep Learning
  - Link - https://drive.google.com/drive/folders/1aTqq0uJ1oKl_siyz46HythqyEWJp2bCx?usp=sharing

Reference

- Dr. Smitha Suresh (Prof., CSE Department)
  Sree Narayana Gurukulam College of Engineering, Head of the Department, CSE.
  Ph.no: 0484 2764841

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