Arif Hassan

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EDUCATION

Assam Engineering College   Guwahati, Assam
Bachelor of Technology in Electronics and Telecommunication Engineering   *Nov.. 2020 – July 2024*
Aggregate SGPA: 8.65

Krishna Kanta Jr. College   Pathsala, Assam
Stream Science   *June. 2017 – May 2019*
Percentage Obtained: 80.8

EXPERIENCE

Industrial Internship   Guwahati, Assam
Summer Analyst Intern at TechVariable   *July 2023 – September 2023*
- Develop a Conditional GAN model for converting satellite images into aerial maps images and create a corresponding web application for user input and image translation.   Certification

Back-end Developer Intern at XopunTech   *July 2023 – August 2023*
- Built knowledge on Spring-Boot, and build a project on J.W.T Token Authentication   Certification

Academic Internship   Guwahati, Assam
National Institute of Electronics and Information Technology   *August 2022 – September 2022*
- Develop a weather forecasting model using the Australian dataset, employing various algorithms for analysis, while incorporating data visualization and discovering inter-class relationships.   Certification

Indian Institute of Technology Guwahati   *August 2022 – October 2022*
- Studied image-based face recognition models and implemented them using Python, with a focus on Convolutional Neural Networks (CNNs), culminating in a project for Plant Health Detection using CNNs.   Certification

Virtual Experiences
Software Engineering Virtual Experience at JPMORGAN CHASE & Co.   *August 2022 – September 2022*
- Develop a trading interface with JPMorgan Chase frameworks and tools to visually display real-time stock price data for traders.   Certification

Mentor of the specialization course TensorFlow: Advanced Techniques at DeepLearning.AI   *July 2023 – Present*
- Answered learner queries related to the courses mainly on Tensorflow: Advanced Techniques specialization course   Certification

PROJECTS

Plant Health Detection | *Python, Fast-API, TensorFlow, React*   August 2022 – October 2022
- Data set named as Plant Village Data set containing 3 classes of plant disease. A model is built using TensorFlow to detect plant health. Fast-API is used to interface the model with the site.   Github

Movie Recommendation System | *Machine Learning, Python, Stream-lit,*   December 2022 – January 2023
- TMDB movie data set is collected. Here Natural Language Process based tool auto-encoder is used, and it is classified based on genre.   Github

Prediction of rainfall in Australia | *Machine Learning, Python*   August 2022 – September 2022
- Rainfall in Australia data set is used to build the model. Data analysis, data visualization, logistic regression, confusion matrix e.t.c, are used in the model   Github

Login Page Authentication | *Java, Spring-Boot, JWT, Postman*   July 2023 – August 2023
- Developed a login system with JWT authentication, user detail storage, and token generation for access control.   Github

TECHNICAL SKILLS AND CERTIFICATIONS

Certification: Custom and Distributed Training with TensorFlow,Custom Models, Layers, and Loss Functions with TensorFlow,Data Analysis with Python
TECHNICAL SKILLS: Java, Python, SQL, Git, React, Node-js, API, Spring Boot, pandas, numpy, matplotlib, sickit-learn,TensorFlow, Machine Learning, Statistics, data preprocessing, algorithm, Feature extraction, Deep Learning