

Abburi Sai Karthik

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EDUCATION

Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science and Artificial Intelligence

Kollam, Kerala

Aug. 2020 – May 2024

EXPERIENCE

AWS Cloud Intern

Oct 2021– Dec 2021

Remote

- Acquired in-depth understanding of Amazon Web Services (AWS) and its various services.
- Engineered a serverless web application utilizing AWS services extensively, demonstrating practical skills acquired during internship.
- Gained practical insights into software industry best practices and workflows.

PROJECTS

Examining Amazon Customer Reviews | AWS, Pyspark

Aug 2022 - Dec 2022

- Collaborated in a team of 4 to execute a project utilizing PySpark and AWS technologies.
- Led the establishment of a data lake, ensuring efficient data integration and storage.
- Managed data pre-processing, converting large-scale CSV data into optimized Parquet format.
- Performed preliminary analysis using Athena to derive valuable insights from the data.

Network Intrusion Detection System | SDN, Random Forest

Jan 2022 - Jul 2022

- Participated in a team of three.
- Implemented Software-Defined Networking (SDN) to identify and prevent potentially harmful data transfers, enhancing security.
- Categorized data into binary labels for classification (1 for harmful, 0 for safe).
- Designed network architecture and created training data.

Teleoperating a robot using Hand Gestures | ROS, Leap Motion Sensor

Aug 2021 - Dec 2021

- Worked in a team of 3 on this project.
- Designed and implemented a real-time hand gesture-controlled robot simulator.
- Utilized Robotics Operating System (ROS), Python, and Leap Motion Sensor for project development.
- Responsible for integrating ROS Gazebo and Leap Motion Sensor.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Developer Tools: Git, Google Colab, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

Fundamentals of AWS & Services

Machine Learning & DeepLearning Algorithms

Data Structures & Algorithms, operating systems, Networking

CERTIFICATIONS

AWS Certified Cloud Practitioner

PUBLICATIONS

Examining Amazon Customer Reviews Using PySpark and AWS | ICCNT, IIT Delhi

- Published paper at the 14th ICCNT conference, available on IEEE Xplore and indexed by Scopus.
- IEEE Xplore

Image Captioning: Analysing CNN-LSTM and Vision-GPT Models | I2CT2024, Pune

- Accepted for publication at the 9th I2CT 2024 conference, to be included in IEEE Xplore and indexed by Scopus.