

Venkata Anirudh Pillala

Linkedin: <https://www.linkedin.com/in/venkata-anirudh-pillala/>

Github: <https://github.com/venkatanirudh>

Email : vpillal@emory.edu

Mobile : +1-470-884-1509

EDUCATION

- **Emory University** Atlanta, Georgia
Master of Science in Computer Science; GPA: 3.567
Courses: Algorithms, Machine Learning. Fall-23(Current)
- **Anil Neerukonda Institute of Technology and Sciences** Visakhapatnam, India
B.Tech in Information Technology; GPA: 9.04
Courses: Operating Systems, Analysis Of Algorithms, Computer Networks, Machine Learning, Probability and Statistics and Network Security. May 2017 - May 2021

SKILLS SUMMARY

- **Languages:** C, Python, Java, Shell Script.
- **Tools:** AWS, Azure, Springboot, GIT, JIRA, MySQL Workbench, Tableau.

EXPERIENCE

- **Accenture** Bengaluru, India
Devops Engineer Aug 2021 - June 2023
 - Experience in Data Engineering and Data migration in Azure Platform.
 - Designed and developed jenkins pipelines that automates the ingestion activities.
 - Involved in creation of jenkins pipeline that runs through ansible script.
 - Experience in troubleshooting data engineering tools such as watcher, airflow.
 - Involved in code deployment through jenkins in various environments.
 - Experience in managing and dealing with large and complex datasets.
 - Involved in monitoring and resolving infrastructure issues in Azure clusters.
- **Virtusa** Chennai, India
Software Intern May 2020 - July 2020
 - **Online Shopping Site:**
 - Developed an "Online Shopping Site" using open-source development tools.
 - Used FreeMarker as the template engine for the Frontend, which was styled using Bootstrap.
 - The backend is developed in Java 8, using Spring Boot with Spring MVC, Spring JPA and Spring Security and some other additional dependencies.
 - The development database and production database uses MySQL.
- **CDAC** Bengaluru, India
Research Intern May 2019 - June 2019
 - **Blockchain Technology:**
 - Studied in-depth about Blockchain technology and its uses to society.
 - Implemented a private blockchain using Javascript and solidity.
 - Developed an escrow transaction in Remix IDE.
 - Studied various research papers on implementation of PKI using blockchain.

PROJECTS

- **Traffic Sign Classification Using LeNet Network in Keras:** General traffic sign images with some misclassification such as too dark, and hard to recognize the number on the traffic sign are given as inputs to train the model using a convolutional neural network and compared the prediction with real images. This project is useful for self-driving cars to get accurate driver alerts from nearby traffic signs.
- **CiFAR-10 Images Classification Using CNNs:** A machine learning model is trained using CiFAR-10 which is a huge dataset of images classified into 10 different classes. The model recognizes the object or thing in the image and for some images which have low brightness or clarity, data augmentation is done to predict the image accurately. This is useful for digital image analysis.
- **Hotel Booking Prediction:** An analysis was carried out based on the busiest month for bookings, and the number of bookings on weekends and weekdays. Then, different algorithms were used to predict hotel cancellation rates so that a user can decide on the booking of a hotel/resort in lead time.
- **Library Management System:** This application tracks the number of books that are either present in the library, issued, returned, renewed, or liable for late fine charges.
- **Attendance Management System:** Created a web interface with three dashboards for staff, students, and admin. Staff could mark attendance for students in their class while the Admin could allot user IDs and passwords to students, and students could log in with those credentials and check their attendance daily.

CERTIFICATIONS

- AWS Certified Cloud Practitioner, 2021.
- AWS Solution Architect Associate, 2021.
- DP-900: Microsoft Azure Data Fundamentals, 2022.
- DP-100: Designing and Implementing a Data Science Solution on Azure, 2022.
- AZ-900: Microsoft Azure Fundamentals, 2021.

WORKSHOPS

- Participated in “Ethical Hacking” Workshop organized by the Indian Institutes of Technology (IIT), Mumbai, Dec’19.
- Partook in workshops on “Ethical Hacking” and “Cloud Computing” conducted by IIT, Chennai, Jan’19.
- Attended workshops on “Ethical Hacking” and “Internet of Things” at IIT, Delhi, Aug’18.