

Abburi Sai Karthik

9347981113 | abburisaikarthik@gmail.com | [linkedin](#) | [github](#) | [leetcode](#) | [portfolio](#)

Education

Amrita Vishwa Vidyapeetham ,Kerala

Aug 2020 – May 2024

Bachelor of Technology in Computer Science and Artificial Intelligence

CGPA - 8.7

Experience

AWS Cloud Intern

Oct 2021– Dec 2021

Swabhav Tech Labs

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.

Real Time Chat Application | *React, Node , Tailwind | Live Demo*

Jan 2024 - Feb 2024

- Developed a real-time chat application using the MERN stack, Socket.io, and TailwindCSS, enabling users to communicate instantly and securely
- Integrated JWT-based authentication and authorization mechanisms to ensure secure access to the chat platform, allowing users to sign up, log in, and log out securely.
- Utilized Socket.io for real-time messaging functionality, providing features such as message delivery confirmation, typing indicators, and online user status updates for an interactive chatting experience.

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.

Technical Skills

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

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

Libraries: pandas, NumPy, Matplotlib

Frameworks: Node, React, Tailwind

Fundamentals of AWS & Services

I rank among the top 7% of LeetCodeers worldwide, showcasing proficiency and expertise in algorithmic problem-solving.

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.