

ABOUT

An enthusiastic engineering grad with a B.Tech in Computer Science from VIT, Vellore. I've honed my skills at Accenture and now pursuing an Information Systems Masters at NTU, focusing on Data Science and AI to deepen my expertise.

SKILLS

- **Programming** - Python, Java, C, JavaScript
- **Big Data Analytics** - Apache Hive, Apache Spark, Apache Hadoop
- **Data Mining** - Machine Learning, Neural Networks, Natural Language Processing
- **Data Visualization** - Tableau, D3.js
- **Web Development** - HTML, CSS, Java Servlet, JSP, MySQL, AWS Deployment
- **Soft Skills** - Self-Motivated, Detail-Oriented, Problem-Solving

EXPERIENCE

- Accenture Solutions Private Limited** Bangalore, India
Advanced Application Engineering Analyst 2022/11 - 2023/08
- Trained in Apache Hadoop File System and learned to use different big data analytics tools like Apache Hive, Spark, Cassandra and more as a fresher.
 - Designed, developed, and implemented end-to-end data pipelines using Hadoop ecosystem tools such as HDFS, Map-Reduce, Hive, and Pig.
 - Successfully integrated data from various sources, enabling efficient processing and analysis within the Hadoop cluster.
 - Documented processes, procedures, and best practices for Hadoop cluster management and data processing.

EDUCATION

- Nanyang Technological University** Singapore
Master of Science in Information Systems 2023/08 - Present
- Completing in May, 2024
 - Focusing on Data Science and Text Mining through my choice of coursework specialization.
 - Courses: Text and Web Mining, Data Mining, Internet Programming, Research Methods for Data Analysis and Information Visualization

- Vellore Institute of Technology** Vellore, India
B.Tech Computer Science and Engineering 2018/06 - 2022/05
- CGPA : 8.78
 - Core Courses: Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Architecture
 - Elective Courses: Web Mining, Statistical Data Analytics and Artificial Intelligence for Beginners

- Campion Anglo – Indian Higher Secondary School** Trichy, India
High School 2016/06 - 2018/03
- Percentage - 94.33

- Campion Anglo – Indian Higher Secondary School** Trichy, India
Secondary School 2015/06 - 2016/04
- Percentage - 97.4

PROJECTS

Twitter Sentiment Analysis with MLP, CNN and BERT

Text Mining, Deep Learning, NLP

2023/08 – 2023/11

- Developed a machine learning model using Multilayer Perceptron (MLP), Convolutional Neural Network (CNN), and BERT for Twitter Sentiment Analysis.
- Implemented data preprocessing, model training, and evaluation.
- Collaborated with team members to optimize model performance and accuracy.

Ensemble Decision Tree Classifier for Income Classification

Machine Learning, Data Mining

2023/08 – 2023/11

- Implemented an ensemble decision tree classifier from scratch for income classification.
- Evaluated the model's performance, considering aspects such as accuracy, precision, and recall.
- Explored and optimized data preprocessing techniques to enhance the model's predictive capabilities.

Exploring Global Warming's Impact using D3.js

Data Visualization, D3.js

2023/08 – 2023/11

- Developed a data visualization project focused on exploring the impact of global warming.
- Utilized D3.js to create interactive and informative visualizations.
- Collaborated with team members to design and implement the storyboard.

Singapore COVID-19 StoryBoard

Data Visualization, Tableau

2023/08 – 2023/11

- Developed a comprehensive COVID-19 StoryBoard focusing on the situation in Singapore.
- Utilized Tableau for creating insightful data visualizations and interactive dashboards.
- Collected and analyzed relevant data for the StoryBoard.

Elegancy Stay - Hotel Management System

Web Development, AWS Deployment

2023/08 – 2023/11

- Developed a comprehensive Hotel Management System called "Elegancy Stay."
- Implemented features such as reservation management, room allocation, and billing.
- Collaborated with a team to ensure the successful completion of the project.

Deep Learning Model for Analyzing Water Quality, Level, and Flow of Cauvery River

Deep Learning, Environmental Analysis

2021/11 – 2022/05

- Developed a Deep Learning model to analyze water quality, level, and flow of the Cauvery River in India.
- Implemented features to predict and monitor environmental parameters.
- Contributed to the understanding and assessment of water resources using advanced technology.

Cataract Classification using CNN

Computer Vision, Deep Learning

2020/11 – 2021/04

- Implemented a Convolutional Neural Network (CNN) for the classification of cataracts.
- Trained the model on a dataset to accurately identify cataract conditions from medical images.
- Contributed to advancements in medical image analysis for early detection of eye diseases.

CERTIFICATIONS

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| • Certificate of Completion of Accenture Greenfield Training Program | 2023/01 - 2022/11 |
| • Certificate of Completion for Graduate Rotational Internship Program in Data Science | 2021/02 – 2021/03 |
| • Intro to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning | 2021/03 – 2021/04 |
| • Artificial Intelligence for Beginners | 2020/04 – 2020/05 |
| • Machine Learning Using Python | 2020/04 – 2020/05 |
| • Statistical Data Analytics for Business Research | 2020/04 – 2020/05 |
| • Data Science for Engineers - NPTEL | 2021/01 – 2021/03 |
| • Programming in Java | 2016/05 – 2016/06 |