

SUMMARY

A passionate and ambitious young graduate ready to apply the theoretical knowledge obtained in college in a real-life environment. I am keen on prospects that afford development, capacity building, and learning to be able to contribute positively and create a positive impact in the chosen profession.

ACADEMIC QUALIFICATION

- Bachelor of Engineering in Computer Science, R.M.K Engineering College, Anna University, Chennai, Tamil Nadu, India. May 2024. CGPA: 8.90.

ACADEMIC PROJECTS

- **Title:** Smart detection of car defective parts with recommendations

Duration: Dec'23 – Mar'24

Team size: 2

Summary: This project aimed to detect the type of damage on cars from image data and then categorize them. The detection of different types of damage was effective and stable due to the use of several CNNs in the solution. The combination with the Flask Web App offered a convenient way of operating for customers to input vehicle pictures and get prompt analysis outcomes. Therefore, this solution that employed computer vision and deep learning approaches enhanced the speed and accuracy of the damage estimation, which became the reference point for the automotive sector.

- **Title:** Fertilizer Recommendation System for Disease Prediction

Duration: Sep'23 – Dec'23

Team size: 5

Summary: Launched an advanced Fertilizer Recommendation System with Disease Prediction that helps analyse agricultural data and offers accurate suggestions on the types of fertilizer to use based on a crop type. A new app calculates possible diseases affecting crops and provides individual tips for applications of fertilizers to improve the quality and productivity of crops. Through the detailed arrangement of data processing and decision-making this system optimizes the operation of agricultural work, minimizes wastage, and buttresses sustainable farming practices; evidencing my Artificial Intelligence knowledge concerning agricultural technology and data mining.

PERSONAL PROJECT

- **Title:** Sales Prediction using Python

Duration: Jul'24 – Aug'24

Summary: Created a sales forecasting model in Python analyzing past performance and adopting machine learning concepts. The model employs such statistical methods as regression, data visualization, and feature engineering to predict future sales, which helps firms in decision-making regarding inventory, pricing, and resources. Thus, using widely known libraries such as Pandas, NumPy, and sci-kit-learn, the model presents a data-based approach to sales prediction and will be useful for businesses in terms of their future growth and their generation of revenues.

TECHNICAL SKILLS

- Programming Language: Python and Java
- Web Technologies: HTML5 and CSS3
- Database: SQL

INTERSHIPS

- Intern at CodSoft
Duration: 07-15-2024 to 08-15-2024
Objective: Data Science using Python
Learning Experience: Hands-on-experience in applying data analytics and building data models
Tools Used: Python, Numpy, Pandas, Matplotlib, Seabron, Scikit-learn, and Tensorflow.
- Intern at Barola Technologies
Duration: 07-15-2023 to 07-29-2023
Objective: Machine Learning in Python
Learning Experience: Application of different ML algorithms
Tools Used: Python, Scikit-learn, Numpy, Pandas, Matplotlib, and Seaborn

AWARDS & ACHIEVEMENTS

- Participated in “Common Internship Test”, conducted by Internship Studio, May 2024.
- Aspiring Minds Computer Adaptive Test (AMCAT) Certifications, Nov 2021 to Jun 2023.
- National level E-Quiz on “Core Java Programming”, Oct 2022 to Nov 2022.
- Bronze Medal recognition on “SkillRack”, Sep 2022.

GOOGLE CLOUD SKILLS BOOST PLATFORM ACHIEVEMENTS

Earned multiple badges, reflecting expertise in Google Cloud technologies: Oct 2022 to Apr 2023

- Completion Badges: “Google Cloud Essentials”, “Baseline Infrastructure”, “Networking Fundamentals in Google Cloud”, “Baseline: Data, ML, and AI”, “Google Cloud Fundamentals: Core Infrastructure”, “Google Kubernetes Engine”.
- Skill Badges: “Create and Manage Cloud Resources”, “Perform Foundational Infrastructure Tasks”, “Build and Secure Networks in Google Cloud”, “Perform Foundational Data, ML, and AI Tasks in Google Cloud”, “Set Up and Configure a Cloud Environment in Google Cloud”, “Automating Infrastructure on Google Cloud with Terraform”.

ONLINE COURSES AND CERTIFICATIONS

Future Learn – Accenture

- Completed “Digital Skills: User Experience” May 2024

Learnmall Course

- Completed “Basic of Java” Aug 2022

Infosys Springboard Courses

- Completed “Basics of Python” and “Design Thinking” Apr 2022
- Completed “Database Management System Part - 1” July 2022
- Completed “Programming Fundamentals using Python – Part 1” Dec 2022

edX Courses

- Completed “Python Basics for Data Science” Jun 2021
- Completed “AWS IoT: Developing and Deploying an Internet of Things” July 2021

INDUSTRIAL VISITS

- Visit to Knowledge Xchange & Academic2IT
During: April 2023
Location: Tamil Nadu, India
Objective: To experience the powerful platform to share knowledge
Learnings/Takeaways: Knowledge sharing, Exposure of the tech community
- North Chennai Thermal Power Station
During: April 2023
Location: Tamil Nadu, India
Objective: To learn about the working of a thermal power plant
Learnings/Takeaways: Different technologies and infrastructures used in the power plant
- Visit to IITM Research Park
During: February 2023
Location: Tamil Nadu, India
Objective: To familiarize ourselves with the incubation centre
Learnings/Takeaways: Functioning of the centre, Incubation of the innovative ideas, Funding, Startups
- Visit to ED-ZOE (IIT INCUBATION)
During: October 2022
Location: Tamil Nadu, India
Objective: To learn about the process of startups
Learnings/Takeaways: Challenges in a startup, Requirements for a startup
- Visit to Indie Spirit Technologies
During: October 2022
Location: Tamil Nadu, India
Objective: To learn about software development through DevOps
Learnings/Takeaways: Different technologies used in the industry, Impact of DevOps
- Visit to Satish Dhawan Space Centre (SDSC) SHAR
During: May 2022
Location: Andhra Pradesh, India
Objective: To learn about the functioning of the space centre
Learnings/Takeaways: Infrastructures aiding space research, Architecture of the space centre
- Visit to Kaleidozone Vr Pvt. Ltd., Xtrablast
During: April 2022
Location: Tamil Nadu, India
Objective: To learn about VR technologies
Learnings/Takeaways: Different types of VR software

CO-CURRICULAR ACTIVITIES

- Engaged in a Guest Lecture on “Google Cloud Computing Fundamentals” delivered by Dr. R Manoharan, Professor, Department of CSE, Puducherry Technological University, Puducherry, Oct 2023.
- Attended the “March Towards Digital Transformation” lecture by Mr. Arvind Purushothaman, EY Global Delivery Services Cloud Consulting Leader, Chennai, Aug 2023.

- Engaged in a Guest Lecture on “Extensible Markup Language,” delivered by Dr. Masilamani V, Associate Professor and HoD, Department of Computer Science and Engineering, IIITDM, Kancheepuram Feb 2023.
- Attended a lecture on “Design and Analysis of Algorithms” by Mr. Thamaraiselvam, faculty member at Zoho School of Technology, Oct 2022.
- Participated in a Guest Lecture about “Neural Networks” by Dr. E Nagarajan, R & D Head at Solvedge Technology Pvt. Ltd, Chennai, Oct 2022.
- Attended the “Design Thinking” Guest Lecture by Dr. S Prasanna, Associate Professor, Department of Design Communication, Vellore Institute of Technology, Vellore, Sep 2022.
- Participated in the “Power Excel” workshop organized by LUDIFU, enhancing skills in advanced Excel techniques and applications, Chennai, July 2022.
- Participated in United Way Mumbai's “Two Wheeler Road Safety” webinar, enhancing knowledge on road safety measures and responsible riding habits, Chennai, Mar 2022.
- Engaged in a Guest Lecture titled “Exploring C” by Mr. A Sivasubramanyam, Technical Lead at Zoho Corporation, Feb 2021.
- Participated in the “Exploring C Phase – II” Guest Lecture, presented by Mr. A Sivasubramanyam, Technical Lead at Zoho Corporation, Feb 2021.

SOCIAL ACTIVITIES

- Participated in Several Blood Donation Camp as a voluntary blood donor, showcasing community spirit and commitment to social cause, Chennai.
- Volunteered at a local food bank event, where I assisted with food distribution and organization, and demonstrated a commitment to community welfare, Harur.
- Actively participated in Conservation Club events, spearheading initiatives that promoted sustainability and sanitation, and fostering environmental consciousness and a collaborative spirit among members.
- Active participant in school-organized camps and events focused on pollution awareness, I assumed a leadership role for my fellow students, guiding them in understanding environmental issues and adopting sustainable practices in our local community, Harur.