# KARUNYA S

karunyasaravanan14@gmail.com linkedin.com/karunya-s 9361823820

## EDUCATION

- **K Ramakrishnan College Of Technology** — **Trichy, India 2019-2023**
  Bachelor of Engineering in Computer Science Engineering;
  CGPA : 8.44
- **Amala Girls Higher Secondary School** — **Trichy, India 2019-2023**
  Higher Secondary Certificate in Bio-Maths;
  Percentage: 66.5%
- **Amala Girls Higher Secondary School** — **Trichy, India 2019-2023**
  Secondary School Leaving Certificate;
  Percentage: 96%

## EXPEREINCE

- **COGNIZANT TECHNOLOGY SOLUTION | CHENNAI, INDIA**
  **Programmer Analyst Trainee | Dec 2023- Present**
  During my tenure at Cognizant, I was trained in Java-Selenium for automation, API testing (manual and automated), and manual testing in the life sciences domain. I also received training in coding languages like Python, Java, SQL, and MySQL for project development.

## SKILLS

- **Programming:** Advanced in Python, Java, and R.
- **Data Analysis:** Proficient in SQL and Excel; expertise in Tableau, Power BI.
- **Machine Learning:** Skilled in Scikit-learn, Hadoop, Jupyter Notebook.
- **Testing:** Java-Selenium, API testing, Rest Assured, JIRA, Agile, manual testing.
- **Other Skills:** Mathematics, Statistics, Seaborn, Natural Language Processing, Salesforce

## CERTIFICATION

- **Google Data Analytics Certificate;** coursera.org; Oct 2023
- **IBM Data Science Professional Certificate;** coursera.org; Dec 2023
- **Google Advanced Data Analytics Certificate;** coursera.org; Jun 2024
- **Hacker Rank SQL Basics, Intermediate, Advanced Challenge Certificate;** hackerrank.com; Dec 2023
- **Salesforce Shaolin;** Cognizant; June 2022

## PROJECT EXPERIENCE

**1. Machine Learning Technique for Accurate and Early Detection of Meat Spoilage to Prevent Foodborne:**

- Generated a dynamic real-time dataset comprising over 15,000 entries in just 15 days.
- Developed a robust K-Nearest Neighbors algorithm, attaining an outstanding accuracy rate of 94% in predicting spoilage.
- Implemented advanced machine learning techniques, resulting in a commendable 20% reduction in false positives compared to previous models.
- **Applied technologies:** Machine learning techniques, including K-Nearest Neighbors, and experienced in Python programming**.**
- **Soft Skills Demonstrated:** Leadership, Collaboration, Proactivity, Innovation.

**2. Facial Recognition to Detect Mood and Suggest Songs | Web Development on Python:**

- Engineered a music web app utilizing Haar Cascade classifiers, achieving a substantial 30% boost in facial expression detection accuracy.
- Orchestrated automated playlist creation with TensorFlow, resulting in a noteworthy 20% improvement in playlist accuracy.
- Analyzed 10,000 data points for real-time insights, strategically improving the user experience.
- **Applied technologies:** Proficient in Python programming with experience in TensorFlow, Django, and OpenCV for various applications.
- **Soft Skills Demonstrated:** Team Collaboration, Problem-Solving, Communication.

**3. Analyze Data in a Model Car Database with MySQL Workbench:**

- Conducted thorough analysis of the Mint Classic database, identifying crucial sales patterns, and implementing innovative strategies that led to a 15% increase in sales efficiency.
- Orchestrated a 10% improvement in overall revenue through streamlined processes, leveraging SQL optimizations and MySQL Workbench enhancements.
- **Applied technologies:** Utilized MySQL Workbench to analyze data in a model car database, extracting valuable insights.
- **Soft Skills Demonstrated:** Team Collaboration, Problem-Solving, Communication.

**GitHub Portfolio: github.com/Karunya-01**

## LANGUAGES

- Demonstrated fluency in English, enhancing collaborative communication.
- Exhibited native proficiency in Tamil.