

PROFESSIONAL SUMMARY

A highly motivated Electronics and Communication Engineering (ECE) student with a strong passion for software development and a drive to bring world-class innovation. Experienced in web development, debugging, and building applications with low latency and high availability. Adept at using NoSQL and SQL databases, cloud platforms, RESTful API development, and API testing using Postman. Passionate about DSA and problem-solving. I aim to contribute to impactful product development projects that deliver scalable, secure, and creative solutions.

EDUCATION

University College of Engineering ,Tindivanam BE in Electronics and Communications -7.1/10 CGPA	2021-2025
Carmel HSS ,Nagercoil 12 th Grade Percentage:85%	2020-2021
Carmel HSS ,Nagercoil 10 th Grade Percentage:80%	2018-2019

TECHNICAL SKILLS

Programming languages: Python, C, JavaScript.

Frontend and Database Technologies: HTML5, CSS3, Bootstrap, SQL.

Cloud Platforms: AWS (EC2, S3, IAM, Lambda,Elastic Beanstalk, CloudWatch).

Libraries/Frameworks: Django, Django REST Framework, BeautifulSoup.

Tools/Platforms: Visual Studio, Pycharm, GitHub, Git, Postman, Docker, Oracle liveSQL, Figma.

Fundamentals: Object-Oriented Programming(OOP), Database Management System(DBMS), UI/UX Design, Computer Networks(CN), Agile Methodology.

DSA Fundamentals: Arrays, Linked Lists, Stacks, Queues, Sorting, Searching, Recursion, Trees, Time & Space Complexity.

API Skills: RESTful API design & development, API testing with Postman, JWT-based authentication.

PROJECTS

HungerHalo [Django | Django REST Framework | JWT | Git | Postman]

- Developed the complete backend system for a full-stack web platform designed to support secure, role-based user interactions.
- Built scalable and modular REST APIs using Django REST Framework to enable seamless communication between multiple user types.
- Implemented robust JWT-based authentication for stateless session management and secure access control.
- Designed database models and logic for managing user roles, permissions, and data access efficiently.
- Tested all API endpoints using Postman, ensuring correct response structures, status codes, and role-based access handling.
- Collaborated with a frontend developer (React) to integrate APIs, follow version control best practices, and maintain consistent workflows.

Merge Sort Visualizer ([Source Code](#)) [Python | Pygame | Recursive Generators | Merge Sort Algorithm]

- Developed a GUI-based sorting visualizer using Python and the Pygame library.
- Implemented Merge Sort using recursive generator functions and yield from to allow real-time step-by-step animation.
- Created an interactive UI with control buttons to toggle sorting direction and regenerate data sets.
- Focused on smooth visual feedback, low-latency updates, and modular code design.

Ecommerce Website ([Source Code](#)) [Django | Python | HTML | CSS | JavaScript | Django Templates | PayPal Integration]

- Developed an eCommerce website using Django, integrating HTML, CSS, and JavaScript for frontend functionality.
- Enabled low latency user experience with efficient RESTful API design.
- Added secure payment integration with PayPal.
- Focused on high availability by ensuring robust error handling and fault tolerance.

Weather App ([Source Code](#)) [Django | Python | HTML | CSS | JavaScript | Weather API Integration]

- Built a Django-based backend with real-time weather API integration.
- Emphasized debugging strategies to ensure consistent performance and latency handling.
- Created a user-friendly UI that delivers responsive forecasts and real-time updates.

CERTIFICATIONS

- Python Full-Stack Development - **Besant Technologies**
- Python with Django Projects - **Udemy**
- Python(Basics) - **HackerRank**
- SQL(Basic-Advance) - **Geekster**
- FullStack Development Workshop - **CSMIT**
- Project on HTML CSS-Landing Page Design - **Infosys Springboard**

INTERESTS

| Software Development | Full Stack Development | Web Scraping | UI Designing | Competitive Programming | Problem Solving | Debugging |

ACHIEVEMENTS

- Solved a combined 150+ DSA problems across [LeetCode](#), Coding Ninjas and HackerRank.