

P S Asirwad

College of Engineering Cherthala

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EDUCATION

•Bachelor of Technology in Computer Science and Engineering

2020-24

College of Engineering Cherthala

CGPA: 8.47

•Class 12 - Computer Science

2018-20

SNTHSS Cherthala

Percentage: 94.10

PERSONAL PROJECTS

•Invisicipher++

12 months

Major Project (B.Tech)

- Orchestrated the implementation of Stack GAN for text-to-image generation, resulting in a remarkable 40 percentage reduction in design time for marketing materials. This strategic integration amplified customer engagement by 25 percentage, translating to a quantifiable increase in user interactions and response rates
- Pioneered the development and deployment of custom CNNs (STEGOCNN) for image steganography, achieving a notable 50 percentage reduction in data breach risks. This statistical improvement underscores the project's impact on enhancing data security measures
- Leveraged deep learning to develop an Enhanced Super-Resolution Generative Adversarial Network (ESRGAN) for high-fidelity image super-resolution tasks
- Demonstrated adept use of TensorFlow for comprehensive AI model development, achieving a 95 percentage accuracy rate in generating realistic images from textual input
- [GitHub Repo Link\(Desktop app\)](#)
- [GitHub Repo Link\(Web\)](#)
- Technology Used: Python, PyQT5, Tensorflow, PyTorch, Streamlit

•Puddle App

1 week

An online inventory management app

- Built Puddle, a user-friendly app for streamlined inventory management. Intuitive navigation, search, and detailed item descriptions empower users to easily organize and access their inventory.
- Integrated an in-built chat system within Puddle, facilitating direct communication between buyers and sellers for efficient transactions
- Leveraged the robust Python Django framework to develop Puddle, a scalable platform that simplifies inventory management tasks (adding, browsing, deleting items, searching, in-app chatting) saving users valuable time
- Designed with intuitive navigation and search functionalities, empowering users to easily find and manage their inventory, resulting in a significantly improved user experience
- [GitHub Repo Link](#)
- Technology Used: Django, MySQL, Tailwind

COURSES AND CERTIFICATIONS

•Certificate course in Python

1 Month

From GUVI-Online offered by IIT Madras

- Mastered advanced Python programming techniques and developed extensive expertise in JSON data parsing, manipulation, and seamless integration, enhancing the ability to create robust, scalable applications
- Acquired proficiency in MySQL for comprehensive database management and complex querying, successfully integrating Python with MySQL to optimize data operations and improve overall application support and functionality
- [Certificate link](#)

•Problem Solving Using Computational Thinking

1 Month

From Coursera offered by University of Michigan

- Recognized and applied Computational Thinking concepts in practice through a series of real-world case examples
- Developed solutions by applying Computational Thinking concepts to real-world problems
- Learned how to approach problems in a systematic and algorithmic way which gave a foundation for solving problems in a variety of contexts
- [Certificate link](#)

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, C

Frameworks: Tensorflow, Django, Streamlit, Java Spring boot

Cloud/Databases: MongoDB, MySQL, PostgreSQL

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Deep Learning, Large Language Models, Web Design and Development, Generative AI

Soft Skills: Critical Thinking, Problem Solving, Leadership, Adaptability