Prasanna Jothiraman

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Bachelor of Information Technology
Madras Institute of Technology, Anna University

EDUCATION

•**Bachelor of Technology in Information Technology** *2020-2024*
Madras Institute of Technology, Anna University CGPA: 8.9

PERSONAL PROJECTS

•**CODE CLONE DETECTION USING SIAMESE NETWORK**

A web application which helps to detect code clone of various programming language.

– Developed and implemented a deep learning-based code clone detection system using Siamese Networks with attention mechanisms, leveraging AST and CFG layers for enhanced accuracy in identifying syntactic and semantic similarities across code snippets.
– Technology Used: Python, Siamese Networks, Attention Mechanism (AST, CFG), TensorFlow, PyTorch, HTML, JavaScript

•**RTO SITE WEB SCRAPING**

Automate website and scrape information to store information.

– Leveraged web scraping techniques to extract precise RTO office details from a website, facilitating data analysis and accuracy and stored in database.
– Technology Used: Python, Selenium, Request Module, Beautiful Soap.

•**FDP STTP DOCUMENT MANAGER**

A web application which allow staffs to upload course documents .

– A web application, "Staff Document Manager," empowering staff members to effortlessly upload, download, and effectively manage course documents.
– Technology Used: HTML, CSS, JavaScript, PHP, MySQL.

•**SMART PET FEEDER**

An IOT project used to feed pet using voice command.

– A NodeMCU-based smart pet feeder with Google Assistant integration, enabling remote control of feeding schedules and portions via voice commands..
– Technology Used : Arduino , Ada fruit, IFTTT, NodeMCU.

EXPERIENCE

•**Analytics and Data Science Internship** *June - August 2023*
Digit Insurance On-Site
– In-depth understanding of automation and web scraping helps to analyse data for business purpose
– Proficient in designing automation bots to scrape web contents.
– Strong knowledge of Python, Selenium Web driver, Request module and Beautiful Soap.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Java, SQL
Libraries : C++ STL, Python Libraries
Web Dev Tools: VS code, Git, GitHub
Frameworks: Reacts
Databases: Relational Database(MySQL, PostgreSQL)
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System.
Areas of Interest: Web Design and Development, Software Development, Data analysis, Artificial Intelligence, Machine Learning.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

CERTIFICATIONS

•**VERZEO** Web Development *Aug - Sep 2022*

– Learned basics of all web development tools to develop and deploy application.
– Build an web application for Contact Manager using ReactJs

•**SKILLVERTEX** Machine Learning *Nov - Dec 2022*

– Learned basics of machine learning algorithm.
– Build Vehicle traffic violation detection system using YoloV4 and Deep SORT