T P Shriambhikesh

Undergraduate Student

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Education

Examination	University	Institute	Year	CPI/%
B.Tech.	PES University	PES University	2023*	8.97*
Intermediate/+2	PUC (PCMC)	Narayana College	2021	99.8%
High School	CBSE Board	Narayana School	2019	94.8%

Skills

Programming Languages: C/C++, Python, JavaScript, HTML/CSS, x86 Assembly, LaTeX
Tools: Git, Unix Shell, VS Code, NeoVIM, Wireshark
Frameworks: React, Node.js, Flask, Django, Streamlit, Tailwind CSS
Libraries: pandas, NumPy, Matplotlib, Scikit, PyTorch, NLTK, Scapy, jQuery

Projects

Integration of a Video Conference Application with a Robot | *CDSAML-CCBD*   Jun'23 – Jul'23
Summer Research Intern

- Developed a NLP system to interpret user inputs.
- Integrated UNIX bash scripts with classifier to trigger video conferencing APIs, streamlining user-initiated tasks

Course Projects

File Search and Execution Tool | *Systems Programming in Unix – CS322A*   Sep '23 - Nov '23
- This tool is designed to simplify the process of searching directories for specific files or file types on Unix/Linux systems.
- Utilized Posix system calls in C for efficient system interaction.
- Integrated the capability to execute identified executable files directly from the tool.

Book Sharing System | *Database Management Systems – CS351A*   Sep '23 - Nov '23
- A Web application built using django framework that let users exchange without centralized institutions like libraries.
- Used postgresql as the database, and followed proper etiquttes for designing the database.
- The system enables users to create profiles, add books, browse available books, request to borrow and review books.

WikiPy-Search | *Computer Networks – CS252B*   Feb '23 - Mar '23
- A Web Application which lets a user read summary from Wikipedia based on query provided

- Developed using Flask (Micro Web Framework) for server side of the application in python
- Client-Sever communication is achieved with the use of socket-io module.
- Used BeautifulSoup for scraping summary from Wikipedia website

JustEVs | *Web Technologies - CS242A*   Nov '22 – Dec'22

- A MERN stack project (JavaScript) to showcase vehicles.

- Implemented options for sorting and viewing different types of vehicles.

- Used Bootstrap framework (CSS)

EXPERIENCE

Research et al. | *Content Developer*   Present
A University club which focuses on promoting research culture amongst the students.

CDSAML-CCBD | *Summer Research Intern*   Jun'23 – Jul'23
A research center at PES University with the goal of building Machine Learning algorithms to extract knowledge, find patterns and generate insights, make predictions from diverse data for various applications and visualization

SCHOLASTIC ACHIEVEMENTS

- Secured 1st rank in my college during PUC examinations

- Achieved 6th rank in my entire school during 10th grade

SCHOLARSHIPS AND AWARDS

- Awarded MRD Scholarship for being in the top 20% of my batch in first year

- Awarded HAL merit scholarship for scoring highest marks out of the applicants

KEY COURSES

- Machine Intelligence, Computer Network Security, Advance Algorithms, Unix System Programming, Software Engineering

- Web Technologies, Operating System, Microprocessor and Computer Architecture, Digital Design and Computer Organization

- Data Structures and its Application, Design and Analysis of Algorithms, Computer Networks

- Python for Computation Problem Solving, Problem Solving with C, Statistics for Data Science, Linear Algebra

HOBBIES/INTERESTS

- Writing story books (📖 Stories He wrote)
- Reading novels and motivational books
- Pencil Shading and water color painting
- Assembly and operating of Electronics gadgets using PCB (Printed Circuit Boards) kits
- Swimming