Karthikeyan

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EDUCATION

AVS College of Arts & Science, Salem   Salem,TN

Bachelor of Computer Science   May 2024

      Cumulative Percentage: 76%

      Relevant Coursework: Full Stack Development, Python ,Core Java

Little Flower Matriculation Higher Secondary School   Salem, TN

Cumulative Percentage: 81%   April 2021

PROGRAMMING TECHNIQUES

Full Stack Development   Salem,TN

Livewire Education Center   Nov 2024 – Mar 2025

- Craft dynamic and visually stunning websites using HTML, CSS, and JavaScript. Develop interactive front-end applications with modern frameworks like React and Angular. Build powerful server-side solutions using Node.js, Express, and MongoDB. From eye-catching user interfaces to seamless database integration, master the complete web development cycle—including authentication, APIs, and responsive design.

Python   Salem, TN

Livewire Education Center   Sep 2024 – Nov 2024

- Learned the fundamentals of Python, including syntax, data structures, and control flow, which enabled a solid understanding of OOP concepts and improved overall programming proficiency. Applied this knowledge to develop GUI-based projects with database connectivity.

HANDS-ON EXPERIENCE

Personal &Academic Projects   Jan 2024 -Present

- Developed and deployed full-stack applications using Node.js, and MongoDB.
- Simulated a streaming platform similar to Netflix using Python and Tkinter By using real-time APIs and integrated MySQL for data tracking
- Followed Agile practices like sprints, user stories, and version control using Git/GitHub.

Intern – WordPress Development | IPCS Global (1 Month)   Dec 2023 – Jan 2024

- Worked on real client websites using WordPress CMS.
- Customized themes, managed content, and improved page responsiveness.

RESEARCH & PRESENTATION

Presented a paper titled "Lightweight Cryptography for a Secure IoT Landscape"   Salem, TN

International Conference – Sona College of Arts & Science, Salem · 2024

- Presented innovative research on enhancing IoT security using lightweight cryptographic techniques.
- Gained experience in technical presentation, research writing, and communication with industry professionals.
- Explored lightweight cryptographic algorithms tailored for constrained IoT devices, focusing on data security and energy efficiency.

ADDITIONAL

Technical Skills: Python, Core Java, Full Stack Development, Figma

Soft Skills: Agile, SDLC, User Stories, Sprints, STLC, Burndown Chart

Languages: Conversational Proficiency in English, Fluent in Tamil.

Certifications & Training: Programming Languages Certification in TCDS Center, Web Development in IPCS Global

Awards: Received awards for being the overall topper of the department in the 2nd,3rd and 5th semesters, demonstrating consistent academic excellence and dedication.