

PAVANI SETTIPALLI

838 Ohio Ave, APT #4, Youngstown, OH 44504 | ms.pavanisettipalli@gmail.com | +1 (330) 663 6179 |

LinkedIn: <https://www.linkedin.com/in/pavani-settipalli/> **Portfolio:** <https://pavanisettipalli10.github.io/portfolio/>

GitHub: <https://github.com/pavanisettipalli10>

Summary

Aspiring Full Stack Web Developer with a strong foundation in front-end and back-end technologies including JavaScript, Node.js, Express.js, and MongoDB. Experienced in developing dynamic, data-driven applications and integrating RESTful APIs. Currently pursuing a Master's in Computer Information Systems and building real-world projects to apply and expand technical skills.

Education

Youngstown State University (YSU), Youngstown, Ohio

Master of Computing Information Systems

Anticipated, May 2025

College of Science, Technology, Engineering & Mathematics (STEM).

Sri Venkateswara College of Engineering, Tirupati, India

Bachelor of Technology in Computer Science & Engineering

JULY 2022

Skills

Frontend: HTML, CSS, JavaScript

Backend: Python, FastAPI, Basics of Node.js, Express.js,

Database Management: MySQL, MongoDB

Cloud & Tools: Basics of AWS, Docker, Kafka

AI & Automation: ChatGPT, Prefect (Workflow Automation)

Software Tools: MS Office 365, Git

Operating Systems: Windows, MacOS

Currently Learning: Handlebars, Bootstrap, jQuery, EJS

Work Experience

Software Engineer

Exafluence Pvt. Ltd | October 2022 -July 2023

Tech Stack-Python, Snowflake

- Developed and optimized the Acumatica Invoice Retrieval module for Global Pay Ex, improving data retrieval efficiency.
- Designed and implemented web components aligned with business needs.
- Created and maintained custom Prefect tasks for data ingestion, transformation, and validation, ensuring data accuracy.
- Conducted testing and debugging to enhance workflow efficiency.

Jr. Software Engineer – Trainee

Exafluence Pvt. Ltd | July 2022 – October 2022

Tech Stack-Python, FastAPI, MongoDB, Kafka, Docker, AWS

- Developed a full-stack web application using FastAPI, MongoDB, and Kafka for real-time data streaming.
- Deployed applications using Docker and AWS cloud services

Projects

Online Bookstore Web Application

Tech Stack - Node.js, Express.js, and Handlebars

- Created a simple web app that lets users view books, place orders, and see an order receipt.
- Used Express.js to manage page routes like Home, View Books, Order Form, and Receipt.
- Displayed book details (name, price, and image) using Handlebars templates.

- Added a form where users could choose a book, enter the number of copies, and place an order.
- Included checks to make sure users entered valid info before showing the final receipt.
- Set up error messages for missing pages or server issues and made the app easy to navigate.
- Deployed the app using GitHub Pages for public access and live demonstration

Personal Portfolio Website

Tech Stack – HTML, CSS, JavaScript

- Designed and developed a responsive personal portfolio website to showcase projects, skills, and contact information.
- Implemented smooth navigation, animated sections, and interactive elements using JavaScript.
- Used CSS Flexbox and Grid to create a clean and mobile-friendly layout.
- Hosted the site using GitHub Pages for easy access and version control.
- I continuously updated the site to reflect newly acquired skills and recent work.

Weather Forecast Web App

Tech Stack: HTML, CSS, JavaScript, jQuery, OpenWeatherMap API, Moment.js, GitHub Pages

- Designed and developed a fully responsive weather application that displays real-time temperature, weather conditions, and location-specific time based on user input.
- Integrated the OpenWeatherMap API to fetch and render dynamic weather data using fetch () and async/await with error handling.
- Used Moment.js and time zone offset conversion to show accurate local time for the searched city.
- Implemented an interactive front-end using jQuery and enhanced UI with animations from Animate.css and modern styling using Glass morphism CSS.
- Deployed the app using GitHub Pages for public access and live demonstration.

Vehicle Overspeed Indication to Traffic Control Room Through GSM

Tech Stack - GSM, Python, Arduino

- Developed a system that detects vehicle over speeding and sends real-time alerts to the traffic control room using GSM technology.
- Designed and implemented a speed monitoring mechanism to enhance road safety and assist law enforcement.
- Improved road safety monitoring by integrating data transmission techniques.

Hybrid Encryption Using USB Authentication

Tech Stack – Python

- It is to maintain and minimize the security concerns as low as possible and make the users secure their important or private data with less concern. Here we introduce a USB token, which can be used as authenticating the user and to mask the actual key to encrypt the data, it requires a minimum key length of 16 bytes long.

Certifications

- **Python Full Stack Developer** (07/2022 -09/2022)
 - Provided by Exafluence Pvt. Ltd
- Completed PCAP: Programming Essentials in Python by Cisco Networking Academy
- Completed TCS iON Career Edge - Young Professional Course by TCS iON.
- Completed Full Stack Software Developer Assessment course on Coursera.

Learning and Development

Courses in Progress:

- The Complete Full- Stack Web Development Bootcamp – Udemy
- Exploring a Career in User Experience Design – *via YSU Workflow Program*

Extra-Curricular Activities

- IEEE Hyderabad Section Member (2020 – 2022)
- Secretary, IEEE CS Chapter – IEEE SVCE SB (2021)
- IEEE SAC Student Networking Volunteer (2022)
- Chair, Nano Technology Council – IEEE SVCE SB (2022)