PAVANI SETTIPALLI

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

Summary

Results-driven Software Developer with strong hands-on experience in full-stack development, backend services, and data pipeline automation. Proficient in technologies such as HTML, CSS, JavaScript, Python, FastAPI, Node.js, Express.js, MySQL, and MongoDB. Experienced with RESTful API integration, cloud platforms (AWS, Docker), and data tools like Kafka, Snowflake, and Prefect. Currently pursuing a Master's in Computer Information Systems, with a proven track record of delivering impactful projects and a passion for continuous learning and innovation. Actively leveraging a broad technical skill set to contribute to innovative software solutions across diverse development environments.

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)