PAVANI SETTIPALLI

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Summary

Graduate student pursuing a Master's in Computing Information Systems with hands-on experience in Python, FastAPI, Docker, and AWS. Skilled in building full-stack web applications and backend workflows using modern tools and technologies. Currently enhancing skills in JavaScript and full-stack development. Actively seeking internship or entry-level opportunities to apply technical knowledge, contribute to real-world projects, and grow as a software developer.

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

Programming & Development: Python, HTML, CSS, JavaScript (in progress)
Database Management: MySQL
Cloud & Tools: Basics of AWS, Docker, Kafka
AI & Automation: ChatGPT, Prefect (Workflow Automation)
Software Tools: MS Office 365, Git
Operating Systems: Windows, MacOS

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 (Python Full Stack)
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.

Data Analytics Intern
Bright Geeks Technologies Pvt. Ltd. | December 2021 – July 2022
- Assisted in data cleaning, transformation, and reporting for business analytics.
- Developed Power BI dashboards and visualizations to present key insights.
- Worked with SQL queries to extract and analyze data from relational databases.
- Participated in team discussions to improve data accuracy and reporting efficiency.

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.

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.
- Continuously updated the site to reflect newly acquired skills and recent work.

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
- JavaScript - The Complete Guide (Beginner + Advanced) – Udemy

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)