Parth Sharma

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Profile Summary

- Dedicated student of computer science with expertise in Python, Java, C++, and cloud technologies, as well as a solid foundation in programming, data structures, and algorithms.
- A quick learner who thrives under pressure and excels in team environments.
- Driven by enthusiasm for projects, continuously growing and applying problem-solving abilities to deliver innovative solutions.

Relevant Coursework

- Cloud Computing and Virtualisation Technologies
- AI Tools and Requirement Gathering
- Cloud Solutions Architecting
- Website Builiding

Experience

Gururo - Cloud computing intern   june 2024- july 2024

- Managing and keeping an eye on cloud platforms like AWS and Google Cloud was my primary duty as a cloud computing intern. My daily responsibilities included helping with basic cloud infrastructure activities like virtual machine setup, backup management, and automation script work. I gained knowledge about managing cloud resources, putting fundamental security measures in place, and using containerization tools like Docker under the supervision of seasoned developers. I participated in team meetings and assisted with documentation, progressively taking on increasingly difficult tasks as my experience increased. During my internship, I received invaluable practical experience with cloud technology by working with seasoned professionals who served as mentors. I studied from seasoned engineers in the field and had hands-on experience with real-world cloud computing systems in this capacity.

Helps Welfare Soceity - Social Intern   june 2023– july 2023

- helped working for the community helping in orphanges, organised purpose driven marathons and cycle marathons for the company

Projects

Predicting Migration Patterns and using machine learning for implementation | Python, AI/Ml   **Sept 2024**

- Predicting migration patterns of tigers using AI/ML. Developed a web app using streamlit library from Python to beuild the front end and the backend, used hidden markov models and viterbi algorithm for predicting the migration patterns of tigers, manually gathered the dataset for tigers. Represented in the form of a graph and finite state machine.

Animal Counter | Python, OpenCV, PyTorch, Numpy   **Jan 2025**

- Developed an image recognition system to identify species and count individuals in real-time using a Raspberry Pi camera and Python. Leveraged deep learning models (e.g., YOLO, ResNet) for species detection and counting, integrated with OpenCV for image processing.

Cloud Implementation | Peering Connections, AWS VPC, EC2, S3, Autoscaling, Solutions Architecting   **Dec 2023**

- Deployed a three tier architecture with presentation layer, business logic layer and database layer using Amazon VPC, also performed peering connections.

Blood Donation connector   **April 2024**

- An inventive digital network has been created to link blood donors and recipients in an admirable attempt to meet urgent healthcare requirements. This life-saving project, which was developed with HTML, CSS, and JavaScript, connects donors and people in need directly, simplifying the blood donation process. The platform acts as a crucial link in the healthcare ecosystem and is set up on Amazon AWS for dependable accessibility. This technology solution shows how cutting-edge web development may be used to meet critical medical needs and possibly save lives by increasing the efficiency and accessibility of blood donation. The project is a great illustration of how technology can be used for social good, bringing communities together to tackle the ongoing problem of the blood shortage.

Technical Skills

- **Languages:** C ++ , SQL, Python
- **Frameworks and cloud platforms:** Node js, Flask, AWS, Google Cloud Platform

Education

The Lawrence School, Sanawar   **Feb 2014 – June 2018**

University of Petroleum and Energy Studies   **Aug 2022 – Present**
Bachelor of Technology – CGPA: 7.89

Certifications

Crowned Concept Mobile app development
AWS Academy Graduate AWS Academy Introduction to Cloud Semester 2
AWS Academy Graduate AWS Academy Cloud Architecting
AWS Skill Builder Cloud Practitioner Essentials