

Akshitha S

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Internship:

AltioStar Networks India Pvt. Ltd.

(Feb-2023 to May-2023)

- Domain: Computer Networking and Cloud Platform.
- Deploying a single node Kubernetes cluster with Calico cluster network on an Ubuntu VM using Virtual Box.
- Building custom container images using buildah and deploying Kubernetes pods using the custom container images.
- Demonstrating how legacy IPv4 applications can communicate over IPv6 networks using the socat user space proxy available in Linux and further benchmarking UDP, TCP and SCTP network performance of socat user space proxy using iperf3 utility.
- Learnt the concepts Kubernetes, Dockers, Containers, iperf, socat and buildah.

Varcons Technologies Pvt. Ltd, India

(Aug-2022 to Sept-2022)

- Domain- Machine Learning with Python.
 - Worked on the project titled “Twitter Sentiment Analysis”.
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Academic Projects:

Image Steganography Using LSB and PVD. (Oct-2022 to May-2023)

- To protect secure communication by hiding secret messages in the cover image. Hiding a large amount of secret information without raising the attacker’s suspicion is the main challenge in steganography and performing quality comparison between LSB and PVD.

Multiplication Table App. (May-2022 to June-2022)

- Mobile Application Development.
- A simple multiplication table educational game for kids. It is a fun tool which helps kids learn multiplication tables. It encourages the kids to remember the product of two numbers.

Transport Management System. (March-2022 to May-2022)

- File Structures.
- It is a simple tool for colleges and schools to manage the college bus transport information.

Farm Management System (Sept-2021 to Novr-2021)

- Data Base Management System.
 - It is a simple website application which helps farmers obtain suggestions on best farming practices/processes and purchase required products online such as seeds, plants and fertilizers.
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Education:

Global Academy Of Technology (VTU - Bangalore, India)
Bachelor of Engineering, Information Science and Engineering

(Graduated: May 2023)

Technical Skills:

- **Programming Languages:** Python, C/C++, IP Networking and Network Programming, SQL and Data structures, AI/ML.
 - **Technologies/Platforms:** Kubernetes, UI/UX design, Docker and Cloud Platforms.
 - **Web technologies:** HTML, CSS.
 - **IDE/Tools:** Figma Tool, Linux (Ubuntu), Oracle VM and VS code.
 - **Soft Skills:** Good communication and interpersonal skills, Goal Oriented, Teamwork and Collaboration, Strong Work Ethics, Leadership skills, Planning and Coordination.
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Objective:

A diligent, organized and dedicated. B.E ISE branch graduate with a good understanding on Engineering concepts and good Programming skills, Quick Learner and Good team player. Looking for opportunity in an IT company to gain knowledge and industry exposure which will improve my skills and help me realize my potential.

Courses:

- Completed C: Data Structures, Pointers, and File Systems course conducted by Linkedin Learning.
 - Getting Started with Network Administration course conducted by Linkedin Learning.
 - Completed learning Kubernetes course conducted by Linkedin Learning.
 - Completed Docker Essential Training course conducted by Linkedin Learning.
 - Develop your Skills in Agile Software Development course conducted by Linkedin Learning.
 - Improve your UX Prototyping Skills course conducted by Linkedin Learning.
 - Attended workshop on IOT conducted by Tequed Labs.
 - Attended program on Artificial Intelligence conducted by Techfest IIT Bombay.
 - Attended Webinar on Netflix Recommendation conducted by Tech Learn.
 - Successfully completed Two hours of Master class on Full Stack Development conducted by Perfect Plan B Learning Private Limited.
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Paper Published:

The Image Steganography Using LSB And PVD Algorithms:

- Implementation Paper: [IJRAR Link](#).
 - Survey Paper: [IJIRT Link](#).
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