

Yashwanth BH

upcoming

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EDUCATION

- **Navkis college of engineering** Karnataka, India
• *Bachelor of Engineering - Artificial Intelligence and Data Science ; CGPA: 8.15* 2021 - 2025
• *Courses: Operating Systems, Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Data Science*

SKILLS SUMMARY

- **Languages:** Python, C++, SQL, Bash, HTML, C
- **Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Pycharm, Pandas, Numpy
- **Tools:** Kubernetes, Docker, GIT, MySQL, Figma
- **Platforms:** Linux, Web, Windows, AWS, GCP, IBM Cloud, Vs Code
- **Soft Skills:** Poster Design, Short story Writing, Video editing, Time Management

EXPERIENCE

- **Compsoft Technologies** Hybrid
• *Data Science Intern (Full-time)* Sep 2024 - Jan 2025
 - **Project Course - Medical image processing and Analysis :** Created project based course using Unsupervised learning and Artificial Neural Network.
 - **Preprocessing And Segmentation:** Developed Preprocessing pipelines for medical images, including tasks like normalization, noise reduction, and segmentation, to prepare data for accurate analysis.
 - **ANN-Based Analysis:** Applied artificial neural networks to analyze medical images, enabling pattern recognition and feature extraction for diagnostic insights .
 - **Model Evaluation And Optimization:** Evaluated and fine-tuned ANN models to improve accuracy and efficiency, contributing to more reliable and interpretable results in medical image analysis..
- **National Information and Cybersecurity Council.** On-Site
• *VAPT Intern (Full-Time)* Oct 2023 - Nov 2023
 - **Vulnerability Assessment:** Conducted comprehensive scans and assessments of network infrastructure, identifying potential vulnerabilities and security gaps.
 - **Penetration Testing:** Executed targeted penetration tests to exploit identified vulnerabilities, simulating potential cyberattacks and assessing system defenses..
 - **Reporting And Mitigation:** Prepared detailed reports of findings and collaborated with the security team to recommend remediation strategies, enhancing the organization's security posture.

PROJECTS

- **Vison - multimedia search engine (NLP, Search Engine, Web Crawlers, Multimedia Processing):** (Work in progress) Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '18)
- **Reinforcement Learning based Traffic Control System (Reinforcement Learning, Computer Vision):** AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV. (August '18)
- **Panorama from Satellite Imagery using Distributed Computing (Distributed Computing, Image Processing):** Images clicked using drones, provided by ISRO were stitched together using distributed public compute nodes, effectively bringing down processing time exponentially. Tech: PHP, C++, Java, Python (March '18)
- **Drag-n-drop machine learning learning environment (Web Development, Machine Learning):** Scratch like tool for implementing machine learning pipelines along with built in tutorial for each concept. Tech: Python, JavaScript (September '18)
- **Search Engine and Social Network(Web Development, Web Crawler, Search):** Created from scratch a social network and a search engine based on the idea of integrating Facebook and Google. The launched website was among top 1000 websites in India during 2012-2013. Tech: PHP, MySQL, HTML, CSS, WebSockets, JavaScript, RSS, XML (May '12)

COURSE

- **Apponix Technologies.** On-Site
• *Cloud Computing and DevOps (Full-Time)* 2024 - 2025
 - **Linux Proficiency:** Skilled in using command-line tools for development and troubleshooting tasks.
 - **AWS:** Proficient in using AWS services for cloud infrastructure management, including EC2, S3, Lambda, and networking to optimize performance and scalability.
 - **DevOps:** Experienced in implementing CI/CD pipelines, automating infrastructure management with tools like Jenkins, Docker, and Terraform, ensuring efficient deployment and scalability.

CERTIFICATION

- ***Introduction To Linux By The Linux Foundation***: Gained hands-on experience in using Linux for system management, scripting, and development tasks, with a focus on security and performance .
- **Python for Data Science By IBM Developers**: Acquired skills in data manipulation and analysis using Python, with practical experience in libraries such as Pandas and NumPy,.