Hithesh S A

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Personal Profile

Motivated Computer Science and Engineering student with a strong foundation in software development principles. Possesses a comprehensive understanding of various software aspects and frameworks, complemented by a commitment to expanding knowledge and skills in the field. Demonstrates adeptness in analytical problem-solving and logical reasoning, evidenced through challenging academic projects and coursework. Committed to continuous learning and exploration of emerging technologies to contribute effectively to innovative projects. Seeking to leverage academic training and a passion for software development in a dynamic role that promotes professional growth and fosters creativity.

Education

Sahyadri College of Engineering and Management   *Mangalore, Karnataka, India*

BE in Computer Science and Engineering   *Dec 2021 - Aug 2025*

- Currently pursuing a Bachelor of Engineering (BE) degree with a GPA of 7.55.
- Currently pursuing Bachelor of Engineering (BE) affiliated with Visvesvaraya Technological University (VTU).

Sri J.C.B.M Pre University College   *Sringeri, Karnataka, India*

Pre University   *May 2019 - July 2021*

- Completed Pre-University (PU) education with 86%.
- Specialised in Physics, Chemistry, and Maths with Computer Science

Internship

CoE Digital Forensics Intelligence and Cyber Security   *Sahyadri Campus, Mangalore, India*

Understandings Basics of Cyber Security   *Sept 2023 - Nov 2023*

- Developed a Python-based script to automate Nmap scans for comprehensive network discovery.
- Implemented various scan techniques including TCP SYN, UDP, and service version detection to identify open ports and services.
- Integrated custom scripts to automate repetitive scanning tasks and generate detailed reports for network administrators.
- Utilized Nmap scripting engine (NSE) to create custom scripts for specific network reconnaissance tasks.
- **Technical Skills:** Python with flask, HTML5, CSS, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Projects

Soil Moisture Analysis   *Mangalore, Karnataka, India*

University Project   *Jan 2024 - Mar 2024*

- Implemented an embedded system with soil moisture sensors for real-time data collection and processing.
- Engineered and deployed algorithms to compute soil moisture content using sensor data and calibration curves.
- **Technical Skills:** ESP8266, Python, Matplotlib.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Skills

Programming	Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), R(ggplot2), PHP, C/C++, HTML/CSS, JavaScript, SQL.
Miscellaneous	Linux, Shell (Bash/Zsh), LaTeX(Overleaf/R Markdown), Tableau, Microsoft Office, Firebase, Git.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Certifications

2023	**Responsive Web Design**, freeCodeCamp	*India*
2024	**Create an intelligent document processing solution with Azure AI Document Intelligence**, Microsoft	*India*
2024	**Oracle Cloud Certified Foundations Associate certification,,** Oracle University	*India*

Interests

Listening to Music	Enjoy listening to a wide variety of music genres for relaxation and inspiration.
Technology Exploration	Passionate about exploring emerging technologies like Python, AWS, Azure, blockchain, and machine learning to stay ahead industry trends.
Video Games	Passionate about playing video games for entertainment and strategic thinking.

Languages

English	Professional proficiency
Hindi	Native proficiency
Kannada	Native proficiency