Theja B H

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CAREER OBJECTIVE- Aspiring software developer with a strong foundation in building real-time applications and optimizing user interfaces, eager to tackle complex problems and thrive in a challenging development role.

EDUCATION

Sir M Visvesvaraya Institute of Technology   **Bengaluru, Karnataka**
- Bachelor of Engineering in Computer Science and Engineering -8.43 CGPA   2020-2024

Air Force School Hebbal   **Bengaluru, Karnataka**
- 12th - 90.4%   2020
- 10th - 80%   2018

SKILLS

- Technical Languages: **Python**, C++, Java, HTML, CSS, JavaScript, ReactJS
- Machine Learning & Libraries: TensorFlow, Matplotlib, Numpy, Pandas, OpenCV
- DBMS: **MySQL**, MongoDB, Firebase
- Version Control/IDE: **Git**, GitHub, VSCode

EXPERIENCE

Project Intern, LRDE, DRDO
- Worked on simulation using **Python**, **Numpy**, **sklearn**, **Matplotlib**.
- Engineered a radar signal detection model through the application of Censored CA-CFAR and machine learning techniques, achieved a 92% interference detection accuracy over previous methodologies.

Software Developer Intern (Full Stack Developer) ,SIRAOM PVT LTD
- Worked on database development using **PHP**, **MySQL**, and **Laravel framework**.
- Collaborated with Design Team, redesigning **UI/UX** of website and functionalities.
- Gained hands-on experience in **Api** and **Database** Development.

PROJECTS

Real-Time Indian Sign Language Recognition System
(https://www.github.com/thejabh/Real-Time-Indian-Sign-Language-Recognition-System)
- Tools Uses: **Python**, **Tensorflow**, **OpenCV**, **Tkinter**, **Labelimg**
- Developed a real-time sign language recognition system that achieved a 90% accuracy rate in gesture recognition
- Implemented advanced machine learning techniques and real-time data processing to facilitate seamless communication for the hearing impaired

Portfolio (https://github.com/thejabh/Portfolio)
- Tools Used: **HTML, CSS, React, Git**
- Focused on UI and responsive design

Currency Management System (AmanT0mar/Cryptocurrnecy-management (github.com))
- Tools Used: **Python**, **MySQL**, **CoinCap API**, **Tkinter**
- Integrated CoinCap API for up-to-date cryptocurrency prices, resulting in accurate and reliable market information.

Career Mentor (https://github.com/thejabh/CareerMentor)
- Tools Used: **Java, XML, UI, Android, Firebase**
- Developed an Android app to connect students with alumni and industry professionals, facilitating mentorship and networking opportunities through features like user registration, mentor search, and real-time chat.

TRAINING/COURSES

Database Management System, *SWAYAM, IIT Kharagpur*

Programming in Java, *SWAYAM, IIT Kharagpur*

ACHIEVEMENTS

- **HP Codewars 2020,** Represented school at HP Codewars 2020, showcasing coding skills and problem-solving abilities.
- **Organized BGMI event** during the intra-college fest (VERVE) at Sir M. Visvesvaraya Institute of Technology, attracting over 200 participants.
- **InCTFJ 2019 , One** amongst the **top 20** participants in the Cyber Security Event held at Amrita Vidyapeetham.

Interests- Photography, Art and Craft, Sudoku Solving, Gaming