Sham P

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PROFESSIONAL EXPERIENCE

COMMONWEALTH BANK **Remote**

Software Engineering Job Simulation on Forage **August, 2024**

- Completed a job simulation involving web development and cybersecurity for the Commonwealth Bank Software Engineering Program.
- Developed proficiency in **HTML** and **CSS**, leveraging these languages to create and style a responsive web page adhering to specific branding guidelines.
- Acquired foundational knowledge in financial cybersecurity principles, synthesizing complex information into clear, actionable advice for enhancing client security.
- Explored web hosting security measures, drafting a comprehensive proposal on secure hosting practices to accommodate future website expansions and protect against potential cyber threats.

e-SwaRa Technologies **Hassan**

Python and Machine Learning Intern **Aug, 2023 – Sep, 2023**

- Acquired experience through an internship at e-SwaRa Technologies, focusing on **Python** and ML.
- Gained hands-on experience with **Machine Learning libraries**, including **NumPy** and **Pandas**.
- Worked on a real-time bike rider helmet detection project using the YOLO machine learning algorithm.
- Successfully contributed to a project that enhances road safety through advanced technology.

EDUCATION

Malnad College of Engineering, Hassan **2020-2024**

*Bachelor of Engineering, Electronics and Communication Engineering – **8.41 CGPA***

Sadvidhya Composite PU College, Mysore **2018-2020**

*PCMB – **90.33%***

Rotary Vidhya Samsthe, Hunsur **2018**

*SSLC – **98.24%***

PROJECTS

- **Bike Rider Helmet Detection and Engine Locking System** – Python, Machine Learning, YOLO
  - Developed a machine learning and IoT-based system using the YOLO algorithm and Raspberry Pi.
  - Implemented real-time image processing to ensure rider safety by detecting helmet use.
  - Automatically identifies helmet usage and prevents engine ignition if no helmet is detected.
- **Smart Fire Security Alarm** – C++, Arduino
  - Created an IoT-based fire security system using Arduino and Blynk IoT platform.
  - Alerts individuals via an alarm and sends instant warning notification to a connected device when a fire is detected.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, JavaScript.
- **Technologies/Frameworks:** HTML, CSS, MySQL.

ADDITIONAL INFORMATION

- **Languages:** English (Professional), Kannada (Native), Hindi (Limited)
- **Certifications:**
  - Introduction to SQL - Simplilearn.
  - Enhancing Soft Skills and Personality – IIT Kanpur (NPTEL).
- **Involvement:**
  - Completed **Honeywell's Cybersecurity Training program**, held in association with Palo Alto and ICT Academy.
  - Gained foundational knowledge in cybersecurity, completing training with a focus on practical cybersecurity principles and best practices from 21 August 2023 to 8 September 2023.