Bharath B

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Professional Summary

Information Science Engineering Student specializing in **networking, cloud computing, and real-time healthcare monitoring systems** with hands-on experience in **network configuration, cybersecurity,** and **HIPAA-compliant data exchange**. Certified in **CCNA** and **Cyber Security** with a strong foundation in the **MERN stack**. Proven track record in reducing network downtime, improving system efficiencies, and implementing secure, scalable solutions across healthcare platforms.

Education

- **Bachelor of Engineering (BE)**, Information Science and Engineering (ISE)
  Atria Institute of Technology, Bangalore
  CGPA: 7.2   2021-2025

- **Pre-University (PUC), PCME**
  Reva University, Bangalore
  Percentage: 70%   2019-2021

- **SSLC**
  Royale Concorde High School
  Percentage: 75%   2018-2019

Experience

- **Networking Intern**   Aug 2024
  PAIX Pvt Ltd
  - Configured **Aruba networks** for St. John's Hospital, **reducing network downtime by 30%** for over 100 devices.
  - Managed **SQL server** operations, troubleshooting network issues, and optimizing data accessibility for improved efficiency.

- **Entrepreneurship Intern**   Nov 2023
  - Conducted **market research** and supported development of networking business models, increasing product outreach by 20%.
  - Developed a **go-to-market strategy** to ensure targeted and efficient deployment of networking initiatives.

- **Full Stack Development Intern**   Aug 2022
  Pentagon Space Pvt Ltd
  - Developed and deployed responsive web applications using HTML, CSS, JavaScript, and Django, enhancing **mobile usability by 40%**.
  - Created and maintained personal websites, optimizing user experience with accessible design.

Skills

Technical Skills

- **Programming Languages**: C, Python, SQL, JavaScript.

- **Web Development**: HTML, CSS, React, Django, MERN stack (MongoDB, Express.js, React.js, Node.js).

- **Network & Security**: CCNA, Cybersecurity, WebSocket Protocols, Network Configuration, Database Management.

- **Tools & Software**: Docker, Git, Jest, Mocha, Excel, PowerPoint, Word.

Sports: Cricket, Football, Athletics, Kabaddi.

Languages: English, Tamil, Kannada, Hindi.

Extracurricular Activities

- Led a team in a hackathon addressing traffic congestion solutions for Hebbal Bridge.

- Participated in IoT and network security workshops, gaining insights into protocols like MQTT and network intrusion detection.
- Contributed to digital literacy programs, training underprivileged students in foundational computer skills.

Projects

- **Anytime Medicine**   2024
  - Designed a vending machine for automated medicine dispensing with real-time inventory tracking, secure access, and restocking alerts, reducing stock outages by 15%.

- **Cloud-Based Healthcare Monitoring System**   2024
  - Developed a secure healthcare monitoring solution using the MERN stack, incorporating WebSocket protocols for real-time patient data exchange. Implemented role-based access, ensuring 100% compliance with HIPAA data security standards.

- **Cisco Tracer Projects**   2024
  - Designed and simulated network solutions for small businesses, achieving a 25% improvement in connectivity using Cisco Packet Tracer.

- **YouTube Clone**   2024
  - Created a YouTube replica with real-time data fetching using the YouTube API. Integrated a responsive design, increasing usability across devices by 35%.

- **Amazon Testing Project**   2024
  - Executed functional and performance testing on an Amazon clone, utilizing automated testing tools to validate checkout processes and user workflows.

- **Criminal Database System**   2023
  - Built a criminal records management system using Node.js, Express, and PostgreSQL, streamlining record retrieval with optimized database queries. Enhanced search efficiency by 30% and implemented secure access controls to protect sensitive information.

- **Blog Website**   2022
  - Developed a full-featured blogging platform with CRUD functionalities using MongoDB, Express.js, Node.js, HTML, CSS, and JavaScript. Improved user experience with a clean, responsive UI, resulting in a 25% increase in engagement.

- **Line-Following Robot**   2021
  - Designed and programmed an autonomous line-following robot using infrared sensors and microcontrollers. Achieved precise navigation with optimized path-following algorithms, enhancing stability and responsiveness on designated routes.

Certifications

- CCNA (Cisco)

- Full Stack Development (Pentagon Space Pvt Ltd)

- Entrepreneurship, Hackathon (Atria University)

- Java Fundamentals, Python Basics, DBMS (Infosys Springboard)

- Cyber Security (NPTEL)