ABINAYA

BCA Student | Aspiring Data Scientist & IoT Enthusiast 📍 Trichy, Tamil Nadu |

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CAREER OBJECTIVE

Motivated BCA student with a strong foundation in Data Science and IoT, complemented by proven leadership experience as a Department Vice President. Seeking to leverage technical proficiency in Python and C++ along with exceptional organizational skills to contribute to innovative projects in a dynamic technology firm.

TECHNICAL SKILLS

- **Languages:** Python, C++, HTML
- **Data Analysis:** Microsoft Excel, Data Preprocessing, Basic Statistical Analysis
- **Emerging Tech:** Internet of Things (IoT), Sensor Integration, Hardware-Software Interfacing
- **Tools:** VS Code, Jupyter Notebook, Arduino IDE

EDUCATION

Bachelor of Computer Applications (BCA) | 2022 – 2026 *Bishop Heber College (Autonomous), Trichy*

- Key Leadership: Vice President, BCA Department
- Active Member of the Student Council

Higher Secondary & SSLC *[School Name], [Location]*

INTERNSHIP EXPERIENCE

Data Science Intern | Corizo, Bangalore

- Developed a foundational understanding of Python-based data manipulation and analytics.
- Executed data preprocessing tasks to ensure data quality for conceptual modeling.

IoT Intern | Techno Zenith, Trichy

- Gained hands-on experience with IoT architectures, sensors, and real-time data applications.
- Contributed to hardware-software integration for basic automation concepts.

PROJECTS

- **Tomato Disease Detection:** Developed a system utilizing image processing/analysis to identify plant pathologies, aiming to assist in agricultural efficiency.

- **Solar Wireless Power Transmission (Rover Tech):** Designed a rover prototype that utilizes solar energy and wireless transmission to power remote systems.

- **Mouse Modification for Disability (Ongoing):** Engineering an assistive technology solution to improve computer accessibility for individuals with limited motor skills.

LEADERSHIP & SOFT SKILLS

- **Department Vice President:** Leading a student body, acting as a liaison between faculty and students, and driving departmental initiatives.

- **Event Coordination:** Successfully organized multiple technical workshops, academic seminars, and inter-college competitions.

- **Core Competencies:** Team Collaboration, Problem Solving, Adaptive Learning, Time Management, and Effective Communication.

ACHIEVEMENTS & ACTIVITIES

- **Award Winner:** Secured prizes in various inter-college academic and co-curricular competitions.

- **Workshop Participant:** Actively attended specialized sessions on IoT Research Paper Methodology.

- **Innovation Focused:** Consistently recognized for proactive involvement in college innovation cells and technical events.