

VIJAYA SHREE J

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Career Objective

Motivated BCA student with strong analytical and problem-solving skills seeking a **Data Science Engineer** role at Frontier Business Systems. Eager to apply Python, SQL, and data visualization tools to design scalable data solutions, derive insights, and support business decisions, while growing expertise in data engineering, machine learning, and business intelligence.

Education

Bachelor of Computer Applications (BCA) — Mount Carmel College, Bangalore

Expected Graduation: June 2026 | Aggregate: 67%

Technical Skills

- **Programming & Development:** Python, Java, C, C#, RScript
- **Data & Analytics:** SQL, Excel, Power BI, Tableau, Data Cleaning & Transformation
- **Machine Learning & AI:** Basic ML algorithms, AI-based decision-making
- **Web Development:** HTML, CSS, JavaScript, JSON
- **Tools & Platforms:** OpenCV, Mediapipe, Pygame, MS Office
- **Soft Skills:** Analytical thinking, Problem-Solving, Teamwork, Communication.

Projects

1. **Virtual Mouse Using Eye Movement** (Python, OpenCV, Mediapipe).

- Built a hands-free virtual mouse using real-time eye-tracking and blink detection.
- Implemented AI-based cursor control to improve accessibility.

2. **AI-Powered Snake Game (Python, Pygame)**

- Developed a self-playing Snake Game using automated decision-making algorithms.
- Applied basic AI logic to optimize game performance.

3. **Hospital Website** (HTML, CSS, JavaScript, JSON)

- Developed a responsive hospital website using HTML, CSS, JavaScript, and JSON.

Implemented interactive UI, appointment booking feature, and content organization for improved user experience

4. **Online Examination System** (C#, SQL, HTML, JavaScript, and CSS)

- Developed a web-based exam system using C#, SQL, HTML, JavaScript, and CSS, featuring user registration, exam creation, and automated scoring.

Experience & Achievements

- Led college promotion activities for **Stauros Fest 2025**, including poster designing and social media outreach.
- Worked on creative content editing and video production using tools like **CapCut**, **Canva**, and **Photoshop**.
- Won multiple prizes in intercollegiate events, demonstrating strong **leadership** and **teamwork** skills.
- Active member of the **Public Speaking Association** in the **Fun Sector** and won several **intercollegiate prizes** for **dance** and **acting**.
- Currently pursuing training at an NGO called **Hope Works Foundation**, where I am learning **soft skills** and **personal development techniques**.