

# S. B Nusrath Fathima

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## Career Objective

Motivated Computer Science student with hands-on experience in developing full-stack web applications using Python and Flask. Passionate about building scalable software solutions and solving real-world problems through clean, efficient code. Seeking an entry-level Software Developer role to contribute technical expertise and grow in a dynamic organization.

## Education

Bachelor of Engineering in Computer Science  
HKBK College of Engineering  
Expected Graduation: 2027

## Technical Skills

Programming: Python, C  
Web Development: HTML, CSS, JavaScript, Flask  
Database: MySQL, DBMS Concepts  
Machine Learning/NLP: Scikit-learn, NumPy, Matplotlib, Cosine Similarity, PCA  
Tools: Git, GitHub, VS Code, PyCharm

## Projects

**Employee Management System:** Developed a full-stack web application using Flask and MySQL. Implemented CRUD operations, authentication, and an admin dashboard for efficient employee record management.

**AI Smart Document Reader:** Designed an NLP-based system to extract contextual meaning from documents and integrated text-to-speech functionality to enhance accessibility.

**NLP Word Embeddings – Sports Domain:** Built a custom corpus, implemented cosine similarity for semantic analysis, and applied PCA for dimensionality reduction and visualization.