

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.