

# MD. JAMIL KHAN

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## Education

May 2021 – **Bachelor of Science in Computer Science and Engineering**, *Metropolitan University*,  
April 2025 Sylhet, Bangladesh  
Current CGPA: 3.66 out of 4(Completed 151 out of required 154 credits)

## Skills Summary

Languages Python, SQL, C++, JAVA, LaTeX, R  
Frameworks Pandas, Numpy, Scikit-Learn, Matplotlib, TensorFlow  
Tools Power BI, Excel, PowerPoint, MySQL  
Platforms PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA  
Soft Skills Rapport Building, Strong Stakeholder Management, People Management, Excellent Communication

## Work Experience

May 2024 – **Interview Leader and Research Contributor**, [biggani.org](https://biggani.org)  
April 2025 Worked as an Interview Leader and Research Contributor at biggani.org, where I conducted interviews with scientists, supported research-based content creation, and promoted science communication to the general public through verified and accessible information.

## Projects

Nov 2024 – **Heart Disease Prediction Using ML and Deep Learning** [link](#)  
Mar 2025

- Developed a heart disease prediction model using RF, XGBoost, CatBoost, SVM, and 1D CNN.
- Achieved 96.36% accuracy with 1D CNN by applying advanced feature engineering and PCA.
- Improved prediction performance by 7% through interaction-focused feature analysis.
- Identified key performance indicators through analysis.

Sep 2024 – **Hybrid Deep Ensemble for Sentiment Analysis** [link](#)  
Jan 2025

- Built a hybrid sentiment model using BERT-based augmentation, transformer embeddings, ensemble learners, and a CNN-BiGRU-Attention network.
- Reached 91.15% accuracy on Amazon reviews via stacking and Optuna hyperparameter tuning.

Feb 2025 – **Brain Tumor Classification using Deep Learning** [link](#)  
Mar 2025

- Built CNN pipeline with VGG16, ResNet50, InceptionV3, EfficientNetB0 via transfer learning.
- Used Albumentations for advanced image augmentation.
- Achieved 97% accuracy using stacking ensemble with logistic regression

## Publication

May 2023 Md. Jamil Khan. Learn C Programming: Part One. Eliva Press. ISBN: 978-9994983711. An introductory programming book designed to help beginners understand the fundamentals of C programming through clear explanations and practical examples. Authored and self-published to support students and early learners in computer science. [book link](#)  
November 2024 Md.Jamil Khan, Ruhul Amin, Tonway deb Nath, Md.Shamim Reza, Jungpil Shin, "Harmonization of Heart Disease Dataset for Accurate Diagnosis: A Machine Learning Approach Enhanced by Feature Engineering."CMC-Computers Materials and Continua.(Q2, SCI, and Scopus, IF=2.1) Accepted [research paper link](#)