

# Tahawar Ihsan

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## Education

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- National University of Computer and Emerging Sciences, FAST-NUCES** CGPA: 3.01  
*Bachelor of Science in Computer Science* 2019 – peresnet

## Experience

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**Open Source Contributor** May 2023 - Present  
GirlScript Summer of Code Remote

- work on real-world projects, gain practical experience, and contribute to the Open Source projects.

**App Developer Intern** Jun 2022 - Aug 2022  
Innovative Saudia, Lahore Physical

- Gain practical experience in Java app development for a food app, working on real-world projects.

## Research Work

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**Gene Function Prediction with Secure Machine Learning:** Conducting interdisciplinary research on secure machine learning for gene function prediction, focusing on accuracy, privacy, and applications in personalized medicine.(Continue)

## Projects

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- Secure Pipeline For Machine Learning With Homomorphic Encryption (FYP):** Implemented ML models in secure pipeline for machine learning with homomorphic encryption, ensuring confidentiality and privacy of sensitive data during training and prediction.(Continue)
- Attendance Analysis of Pakistan's National Assembly Members:** Analyzed attendance records using Python and data analysis techniques to inform citizens about elected officials' punctuality and dedication, aiding informed decision-making in democratic processes. ([link](#))
- Project Predicting Heart Disease with Classification Machine Learning:** Developed a project in which we predict Heart Disease and apply different ML models for better results. ([link](#))
- Time Series Forecasting With Tensorflow:** Developed a project Time Series Forecasting, Python, NumPy, Pandas, Matplotlib, and Seaborn to analyze, visualize, and optimize portfolios of top stocks and cryptocurrencies. ([link](#))

## Languages and Technologies

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Python, Julia, Flask, C/C++, JAVA, Tensorflow, NumPy, Pandas, Matplotlib, Seaborn, PHP, React.JS, Node.JS, Express.js, MVC, MySQL, MongoDB, Git, Microsoft Azure, and other frameworks and libraries.

## Achievements and Certificates

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- Supervised Machine Learning: Regression and Classification ([link](#))
- Microsoft Learn Student Ambassador ([link](#))

## Reference

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**Dr. Muhammad Amin**  
Assistant Professor, FAST-NUCES

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