

# Mohd Mohtashim Nawaz

Student  
B.Tech (IT) & MBA  
Indian Institute of Information Technology,  
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## Experience

## Skills

Programming  
Android Development  
Software Engineering  
Network Programming  
Machine Learning & Data Analysis  
Financial Analysis

## Languages & Tools

Languages: C/C++, Java, Python, MySQL.  
Libraries & Frameworks: Scikit-learn,  
ns-3, Pandas, Numpy, Matplotlib, Seaborn.  
OS: Linux, Windows.  
Others: Android Studio, Firebase, Jupyter,  
MS-Excel.

## Education

2017-2022  
B.TECH (IT) & MBA  
Indian Institute of Information  
Technology, Allahabad  
CGPA : 7.93/10

2014-2016  
INTERMEDIATE  
Shri Gulab Rai Montessori Sr. Sec  
School, Bareilly  
Percentage: 94.8%

2014  
HIGH SCHOOL  
Bishop Conrad Sr. Sec School, Dohna  
CGPA: 9.8/10

MAY, 2021-NOW **Samsung Research Institute, Bangalore** **Student Trainee**  
Developing a framework for networking algorithm testing.

*Network Programming, ns-3, C/C++*

## Projects

**Seguro** **Android Studio, Java Spring, MySQL**  
A navigation-based mobile application aimed at providing the users  
the safest path to travel from one location to another.

**Credit Card Fraud Data Analysis** **Python, Scikit-Learn, tSNE, PCA**  
Analyzing credit card fraud data by using techniques to deal with class  
imbalance data and visualizations using dimensionality reduction al-  
gorithms (tSNE and PCA).

**Text Detection In Distorted and Recaptured Images** **Python, PSENet,**  
**Image Processing**  
Text detection in distorted and recaptured images using noise re-  
moval and preprocessing techniques combined with deep learning  
PSENet algorithm. Also, created a new test dataset of 275 images  
(126+149) of distorted and recaptured images.

**PassSafe** **Android Studio, Cryptography**  
A mobile application to store passwords secure under a master pass-  
word. A cryptographic hash of the password is stored. Available safe  
password recommendation based on a cryptographic hash.

## Others

**PCIL-IDS** **Partial Consensus and Incremental Learning-Based Intrusion**  
**Detection System.**  
An effective and lightweight intrusion detection system for network  
security combining incremental learning and a lightweight consensus  
algorithm.

## Achievements/Awards

- PCIL-IDS accepted at 2nd International Conference on Cybernetics, Cognition and Machine Learning, Goa, India.
- Seguro was selected and funded under the NewGen IEDC and stood third among the most innovative projects in the college.
- Participation and awards in tech-events.