

# MANAHIL SABIR

## Software Engineer

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## EDUCATION

BS Software Engineering,CGPA-3.5  
BUIITEMS, 2020-24

## PROJECTS & RESEARCH

### Thesis

Vulnerabilities in Android Applications Using Reverse Engineering and Machine Learning

### GTD Data Analytics

Analyzed GTD dataset with big data tools, deriving actionable insights for South Asia.

### Jedit Customization

Reverse-engineered the Java compiler to add new modules and Re-engineered the existing system.

### Comprehensive network simulation

Network incorporating fundamental computer security concepts, including component configuration, VLAN setup, port security, STP, and VTP integration.

### Stress detection Research

Stress detection, with a variety of features through various Machine Learning models and their comparative study.

### Co-curricular Web portal

Automating the record of university clubs and councils and providing a single platform for students to choose their best interests.

### Management system

A simple system that implements all Object Oriented concepts with a simple Java interface.

## CERTIFICATIONS

Google Cybersecurity Specialization

Coursera | Google

National Vocational & Technical Training Commission  
(NAVTTTC)

- Computer Networks
- Internet of Things(IOTs)

Supervised Machine Learning

Coursera | DeepLearning.AI | Stanford University

Search Engine Optimization (SEO)

SEMrush Academy

IBM Cybersecurity Analyst

Coursera | IBM

- Introduction to Cybersecurity Tools & Cyber Attacks
- Cybersecurity Roles, Processes & Operating System Security

Ethical Hacking Essentials (EHE)

Coursera | EC-Council

## PROFILE

★ A Software Engineer with expertise in cybersecurity and big data analysis. Adept at leveraging machine learning for vulnerability detection and reverse engineering for secure application development.

## WORK EXPERIENCE

PSEB Apprenticeship

Cyber security

📍 Ultrasoft Systems   Aug 2024

Internship

SEO & Content Writing

📍 Icon Pro Solutions   Jan-April 2024

Teaching Assistant

Machine Learning TA

📍 Buitems   Aug - Dec 2023.

## HONORS & AWARDS

🏆 Ignite Cybersecurity Hackathon 2023 & 2024  
National Finalist

🏆 BUIITEMS Student Affairs  
Volunteering since 2021

🏆 Voice of Balochistan  
Voluntarily worked with VOB

🏆 Broadcasting Unit The City School  
Served as a Lead Broadcaster (2008-2013)

🏆 Colgate Global Art Contest  
Served as a Lead Broadcaster (2012)

🏆 AFAQ Creative Writing Competition  
Best Creative Writer(2012)

🏆 UNICEF Children Day  
Remarkable Participation to portray rights and responsibilities of Children 2011

🏆 Parenting Conference  
Organized Awareness workshop for Parents (2011)