

# Ali Mujtaba

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## INTRODUCTION

I am a student at NED University, specializing in Cybersecurity with a passion for secure coding and software development. My expertise spans the MERN stack, Next.js, Python REST APIs, and MongoDB, enabling me to create robust and scalable web applications. On the cybersecurity front, I am an adept red teamer with a strong foundation in penetration testing, vulnerability assessments, and CTF (Capture the Flag) solving. My skill set includes reverse engineering, exploit development, and network intrusion simulations.

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## EDUCATION

### BSCS in Computer Science & IT, Cybersecurity

Oct 2022 - Present

NED University of Engineering & Technology

Current CGPA: 3.01

### Intermediate (Pre-Engineering)

Nov 2020-2022

For men college Nazimabad

Percentage: 82.2%

### Matriculation (Computer Science)

June 2018-2020

Education Trust Nasra School , Malir Campus

Percentage: 81.9%

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## PROFESSIONAL PROJECTS

### WorkHolic Dashboard

Dec 2024 - Present

WorkHolic Backend Dashboard

WorkHolic Dashboard is an AI-driven team management platform designed for team leads and members to streamline collaboration and productivity. The team member dashboard provides personalized insights, including attendance tracking, GitHub commits, GitLab workflow updates, a prioritized task queue, and a complaint submission option. The team lead dashboard offers an overview of team performance with features like workflow visualization, attendance monitoring, task completion tracking, and AI-enhanced task assignment using Llama 3.1, ensuring balanced workload distribution by automatically assigning tasks to members with fewer than three in their queue.

### SR Solutions Theme

Nov 2024 - Dec 2024

Software house Theme

Designed and developed a fully functional and responsive website theme using Vite and React. The project included creating an intuitive user interface with modern design principles and implementing seamless functionality tailored to user needs. This theme integrates dynamic components, optimized state management, and interactive features to enhance the overall user experience. Leveraged the efficiency of Vite for rapid development and React's robust ecosystem for building scalable and maintainable application.

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## Chat Application

Nov 2023 - Jan 2024

### SmartBot

SmartBot is an intelligent Python-based chatbot designed for engaging and human-like conversations. It leverages natural language processing (NLP) libraries like NLTK, spaCy, or Hugging Face to understand and respond to user queries in real-time. With features like dynamic conversations, customizable behavior, and seamless integration with external APIs, SmartBot is suitable for various applications such as customer support, personal assistance, and education, offering scalability and a user-friendly interface.

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## SKILLS

### MERN Stack

React.js, Express.js, MongoDB, Node.js

### Styling Framework

Bootstrap/Tailwind.css

### Data Science and ML

Using different Libraries of Python and Probability and Stats Knowledge

### Database Management

MongoDB

### Python Web Framework

Flask, Django, FastAPI, Pyramid

### Languages

C++, Python, C

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## CERTIFICATIONS

### Trend Micro CTF

NED CTF Runner Up by Rewterz

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## EXTRACURRICULAR ACTIVITIES

### CyberSents

Event Lead of NED Student Club  
CSIT DEPT - NEDUET