

# SATYAM TEOTIA

Meerut, Uttar Pradesh, 250001

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## Technical Skills

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**Skills:** C, C++, Java, Javascript, Python, Bash Scripting, SQL, MongoDB

**Frameworks::** Springboot, NodeJS, ExpressJS, NextJS, EJS, ES6, J2EE

**Operating Systems:** macOS, Windows 10/11

**ITOps Tools:** JAMF (MDM), Google Workspace, Slack, Sophos Antivirus, VPNs, JIRA, Google Workspace

## Experience and Projects

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### Learn Linux | Interactive Terminal Simulation Game(JavaScript, Node)

October 2024 - April 2025

- Designed and developed a browser-based Linux terminal simulator to teach core Linux commands through interactive, narrative-driven gameplay.
- Designed and developed a browser-based Linux terminal simulator to teach core Linux commands through interactive, narrative-driven gameplay.
- Implemented command history navigation (↑/↓), tab-based command autocompletion, and terminal UX behaviors.
- Added state-based progress tracking, win conditions, and conditional content unlocking without using a backend.
- Focused on safe sandboxed execution by simulating all commands client-side without executing real shell commands.

### ONLINE SQL EDITOR | Academic Project(Next JS, SQL)

April 2025 - September 2025

- Built an interactive SQL editor with support for SELECT, INSERT, UPDATE, and DELETE queries
- Implemented real-time query execution with instant result rendering in tabular format.
- Designed a sandboxed database environment to prevent unauthorized data manipulation Added error handling and syntax validation to display meaningful SQL error messages
- Implemented session-based query execution to isolate user queries securely Created a clean, responsive UI for seamless use across devices

### NETWORK INTRUSION DETECTION SYSTEM | Research Paper

January 2024 - August 2024

- Proficient in configuring, deploying, and managing **Network Intrusion Detection System** to safeguard networks against malicious activities and unauthorized access.
- Skilled in analyzing **network traffic** and system logs to detect and respond to potential security breaches, utilizing a variety of NIDS tools and techniques.
- Experienced in creating and fine-tuning custom intrusion detection **signatures** and rules to enhance the accuracy and effectiveness of NIDS alerts.
- Knowledgeable about emerging threats and security vulnerabilities, staying abreast of industry **best practices** and methodologies to continuously improve NIDS defenses.

## Relevant Coursework

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- Comptia Security+
- Comptia A+
- Comptia Network+
- AI Tools
- Jamf 100

## Strengths

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- **Problem-Solving:** Diagnosed and resolved complex macOS and Windows issues, reducing downtime and improving user productivity.
- **Collaboration:** Partnered with cross-functional teams to implement IT projects, including MDM deployment and asset management improvements.
- **Adaptability:** Gained hands-on experience across diverse IT environments—supporting Google Workspace, JAMF, and Cisco Meraki networking.

## Education

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### Lovely Professional University

*Bachelor of Technology (CSE)*

Aug 2020 – May 2024

*Phagwara, Punjab*

### Army Public School Narengi

*Higher Secondary School*

Jul 2018 – May 2019

*Guwahati, Assam*