

# TANISHQ SATI

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## OBJECTIVE

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Recent B.Tech graduate with a robust background in software development and cyber security, complemented by hands-on experience through internships and research projects. Proficient in Java, Python, and machine learning, with a passion for developing innovative software solutions. Eager to contribute to diverse projects, tackle scalability challenges, and collaborate with a dynamic team to enhance product offerings and drive technological advancements.

## EDUCATION

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**Bachelor of Technology**, VIT University - 8.4 Cgpa Expected 2025

**10th class** , Doon International School , Dehradun - 95.2 Percent 2016 - 2018

**12th class** , Doon International School , Dehradun - 94.6 Percent 2018 - 2020

## SKILLS

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<b>Programming</b>	Java, Python, HTML, REACT , Shell Programming and Competitive Programming
<b>Operating System</b>	Windows, Linux
<b>Tools</b>	ElasticSearch, Kibana, Github , MySQL , Microsoft Azzure , Ms Office , VsCode
<b>Soft skills</b>	Hindi , English
<b>Additional Courses</b>	Cryptography , Cloud Computing, Web Application and Network Security

## CERTIFICATION

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<b>Machine Learning</b>	May 2023 - June 2023
<b>Full Stack Development</b>	December 2022 - April 2023
<b>Microsoft Azure AZ-104</b>	Sept 2023 - December 2023

## EXPERIENCE

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**Software Developer intern** April 2024 - May 2024  
DevTown

- Collaborated in a dynamic startup environment as a Software Developer Intern, contributing to various projects using the React framework.
- Developed and optimized user interfaces, ensuring seamless performance and an enhanced user experience across multiple web applications.
- Worked closely with cross-functional teams to implement responsive designs, improving application functionality and user engagement.

**Cyber Intern** August 23 - November 23  
Smart Internz

- Proficient in cybersecurity tools and technologies, including IBM QRadar for threat detection and response, and Kali Linux for penetration testing.
- Skilled in utilizing advanced tools such as sqlmap for SQL injection testing and nmap for network scanning and security auditing.
- Hands-on experience in executing comprehensive security assessments using a variety of tools to identify and mitigate vulnerabilities.

## PROJECTS

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**Event Management System with ELK Stack:** Implemented an event management system for our university network using Elasticsearch, Kibana, and Logstash to efficiently index, search, and visualize event data. Enhanced real-time monitoring and data analysis capabilities, leading to improved event tracking and decision-making.

**Machine Learning and AI Integration Project:** Developed a web application leveraging machine learning models for tasks such as image recognition, sentiment analysis, and personalized recommendations. Implemented TensorFlow.js to enable real-time analysis and prediction directly in the browser, eliminating the need for server-side processing.

**Virtual Keyboard Development:** Designed and implemented a virtual keyboard in Python utilizing computer vision techniques. Developed finger detection and recognition algorithms to identify specific fingers for input. Integrated functionality to recognize and display corresponding numbers based on finger positions, enhancing user interaction and accessibility.

**Research Project on Cloud Computing Security:** Conducted in-depth research on cloud computing architectures and security protocols. Analyzed and evaluated the effectiveness of encryption techniques and access control mechanisms in cloud environments. Produced findings that contributed to enhancing data protection and scalability in cloud-based applications, demonstrating a strong understanding of cloud security principles.

## EXTRA-CURRICULAR ACTIVITIES

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- Played football for the university team and school team.
- Proficient in playing the harmonium, tabla, and mouth organ, showcasing a passion for music and dedication to mastering diverse instruments.

## LEADERSHIP

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- Captain of University Football Team: Led the team to multiple victories, demonstrating strong leadership, teamwork, and strategic planning skills.
- Face Recognition System: Led the team in developing a face recognition system, utilizing machine learning algorithms and computer vision techniques to create a robust and accurate identification solution.