

NITHILAN S

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EDUCATION

Sri Sivasubramaniya Nadar College of Engineering B. Tech Information Technology; CGPA: 8.433 Maharishi Vidya Mandir Senior Secondary School CBSE Class 12th; Percentage: 94.8%	Chennai, India August 2024 - Present Chennai, India June 2022 - May 2024
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SKILLS SUMMARY

- **Languages:** Python, C, Java, SQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools:** GitHub, PowerPoint, MySQL, Oracle SQL
- **Platforms:** Jupyter Notebook, Visual Studio Code

WORK EXPERIENCE

SOFTWARE TESTING INTERN CUMI	June 2025- July 2025
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- Automated software testing processes for an internal enterprise web application, replacing previously manual testing workflows.
- Designed and executed end-to-end test scenarios to improve testing efficiency, consistency, and reliability.
- Identified gaps in manual testing and implemented automation to reduce repetitive effort and human error.
- Collaborated with IT and testing teams to understand real-world industry workflows and testing requirements.
- Applied programming and testing concepts to a live production-style environment.

Technologies & Tools: Automation Testing, Web Testing, SikuliX, Python

PROJECTS

Voice-Activated AI VR World Tour	August 2025 - November 2025
<ul style="list-style-type: none">○ Improved accessibility and engagement by enabling voice-driven navigation within an immersive VR environment.○ Demonstrated full-stack integration by combining frontend VR interfaces with AI-powered backend services.○ Showcased the practical application of emerging technologies to create an interactive and visually compelling user experience	
Task Management & To-Do Application	October 2025- November 2025
<ul style="list-style-type: none">○ Streamlined personal task organization by digitizing task tracking and management workflows.○ Enhanced system maintainability by applying clean architectural principles and standardized coding practices.○ Demonstrated proficiency in building end-to-end desktop applications integrating UI, business logic, and database layers.	
Student Result Management System	June 2025 - July 2025
<ul style="list-style-type: none">○ Reduced manual effort in academic result processing by digitizing student and result management workflows.○ Improved data integrity and traceability through centralized storage and controlled user access.○ Enabled actionable insights into student performance using visual analytics and reporting features.	
Hotel Reservation Management System	February 2025- April 2025
<ul style="list-style-type: none">○ Reduced manual reservation handling effort by implementing automated booking, waitlist, and administrative workflows.○ Improved operational efficiency by optimizing reservation grouping and retrieval mechanisms.○ Strengthened system robustness through structured data validation and controlled access roles.	

CERTIFICATES

Machine Learning Specialization (Stanford University – Coursera)	December 2025
<ul style="list-style-type: none">○ Completed a comprehensive specialization covering supervised, unsupervised, and reinforcement learning techniques.○ Gained hands-on understanding of regression, classification, neural networks, decision trees, clustering, anomaly detection, and recommender systems.○ Learned best practices for building, evaluating, and deploying machine learning models for real-world applications.	
Ethical Hacking – NPTEL (IIT Kharagpur)	October 2025
<ul style="list-style-type: none">○ Learned core concepts of ethical hacking, system vulnerabilities, and cybersecurity fundamentals earning Elite Certification.○ Gained exposure to threat analysis, security practices, and responsible disclosure methods.	