

Curriculum Vitae

Tejaaswin V

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Objective

Aspiring to leverage my passion for technology, engineering, and community service to contribute to innovative projects at reputable organizations like Lockheed Martin, Dassault, Rolls-Royce Aviation, DRDO India, Mastercard, American Express, or Hindustan Aeronautics Limited. Eager to further my education at a premier institution in Singapore, such as NTU, NUS, or SUTD, to develop expertise in advanced fields of aerospace, cybersecurity, and engineering.

Education

- **DAV Boys Senior Secondary School, Gopalapuram, Chennai**
 - Scored **100/100** in Social Science in CBSE Class 10 Board Examinations and a overall score of 484/500 (96.8%)
 - Recipient of the **Star Pupil Award** (Grade 9) for exemplary academics, leadership, and co-curricular excellence.
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Achievements & Honors

1. **Tech Wiz (Whiz Kid 2024)**: Best technology enthusiast award among 250 students for contributions to the school's digital presence.
2. **Rajyapuraskar Award (2023)**: Prestigious Bharat Scouts and Guides honor awarded by the Governor.
3. **Star Pupil Award**: Recognized for extraordinary discipline, leadership, and academics in Grade 9.
4. **Best Patrol Leader**: Brought the laurel of Best Patrol in a district-level Scouts camp.
5. **Second Prize in Coding & Mathematical Quiz**: Conducted by Vivekananda College.
6. **Hackathon Participant & Winner**: Actively participated in coding events by reputed institutions like Anna University.
7. **Founder of Trizz**: An environmental initiative involving tree-planting ventures with over 100 volunteers across the city.

8. **Best Outgoing Student Nomination:** Recognized as one of the top candidates for this prestigious school award.
 9. **Close Competitor for School Pupil Leader:** Actively participated in leadership campaigns showcasing dedication and teamwork.
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Technical Skills

- **Programming:** Python, MySQL, PyAutoGUI
 - **Design & Development:** Blender, Spotify API, Poster & Invitation Designing
 - **Cybersecurity:** DDoS attack mechanisms and antidote development
 - **Project Management:** Leadership and coordination of creative and technical teams
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Projects

1. **tejaaswinv.me:** Designed and developed a personal website showcasing my achievements and projects.
 2. **Jarvis Team Coordination:** Oversaw operations for a 100-member team handling digital materials, posters, and in-house publications.
 3. **Deepika Magazine:** Automated page numbering and formatted the school's digital magazine.
 4. **AI Chatbot:** Created an AI-assisted chatbot for message response automation.
 5. **Birthday Scheduler:** Automated birthday wishes using PyAutoGUI.
 6. **Cultural Presentation:** Developed a Blender-based digital presentation on India's transportation power.
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Leadership Experience

- **Computer Science Club Secretary:** Spearheaded technical initiatives and events in school.
 - **Overall Coordinator - Jarvis Team:** Led creative operations, including publication design and video production.
 - **Patrol Leader:** Demonstrated leadership in Scouts through community-driven initiatives like beach cleaning and traffic regulation.
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Community Engagement

- **Seva Maitri:** Actively participated in helping the underprivileged.
- **Cyclothons and Beach Cleaning:** Promoted sustainability and community service through organized events.

- **Social Media & Podcasting:** Contributed to school's social media presence and official podcast team.
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Certifications

- **Rajyapuraskar Award:**
 - Honored with the prestigious Rajyapuraskar Award, presented by the Governor in 2023, for exceptional service, leadership, and discipline.
 - Earned 12 proficiency badges, demonstrating excellence in community service, environmental stewardship, and specialized skills.
 - Actively participated in impactful initiatives such as beach cleaning drives, cyclothons, and traffic regulation campaigns, fostering a strong sense of civic responsibility.
- **Agile Project Management Certification (HP):**
 - Achieved certification in Agile Project Management in October 2024, showcasing expertise in Project Management, Scrum, and Agile Methodologies.
 - Developed skills in delivering high-value projects efficiently through adaptive planning and iterative approaches.
- **Artificial Intelligence Fundamentals (IBM):**
 - Certified in Artificial Intelligence Fundamentals in October 2024, focusing on foundational concepts in AI, including Natural Language Processing (NLP) and machine learning.
 - Successfully completed IBM's SkillsBuild Introduction to AI program, enhancing technical acumen and analytical problem-solving capabilities.
- **Cybersecurity Awareness Certification (HP):ss**
 - Earned Cybersecurity Awareness certification, demonstrating proficiency in identifying threats, ensuring data security, and fostering safe digital practices.
- **GE Aerospace Explore Engineering virtual experience program:**
 - Completed a job simulation where I advised on alternative energy sources for a hypothetical Aerospace team at GE
 - Analyzed and compared diverse energy sources for propulsion systems, including cost, energy density, storage requirements, and how they impact design decisions
 - Conducted in-depth research on bypass ratio and compression ratio and their impact on turbofan engine design, including fan diameter, noise, installation considerations, material limitations, and emissions implications
 - Developed a technical presentation to effectively communicate the limiting factors associated with bypass and compression ratios that helped guide the decision-making for a next-generation propulsion system at GE Aerospace
- **Mastercard Cybersecurity Virtual Experience Program:**
 - Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team.
 - Helped identify and report security threats such as phishing.

- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams.
 - **British Airways Data Science Job Simulation:**
 - Completed a simulation focusing on how data science is a critical component of British Airways' success.
 - Scraped and analyzed customer review data to uncover findings.
 - Built a predictive model to understand factors that influence buying behavior.
 - **Ford EV Engineering Job Simulation:**
 - Completed a job simulation involving performing a cost-benefit analysis for EV batteries and LiDAR sensors for Ford's EV engineering division.
 - Analyzed the impact of various battery form factors, including cylindrical, pouch, and prismatic options, on system cost, safety, and durability.
 - Conducted a comprehensive cost-benefit analysis for different LiDAR sensor models, comparing mechanical scanning, solid-state, and hybrid LiDAR sensors, with a focus on durability, scanning speed, and cost implications.
 - Presented technical findings in a concise format using tables, aiding the engineering division in making informed decisions for various projects.
 - **Note:** All my certifications, recommendation letters, and other relevant documents can be found in the following drive link: [Drive Link](#)
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Hobbies & Interests

- Sketching and sculpting Indian divine figures and portraits.
 - Music enthusiast contributing to school's band and performances.
 - Keen interest in aerospace systems and vehicular engineering.
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References Available upon request.