

# Giridharan

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## Education

<b>KCG College of Technology, Chennai</b> <i>B.E. - Electronics and Communication Engineering   CGPA: 7.0 / 10</i>	Sept 2021 – May 2025
<b>Vyasa Vidyalaya Matric Hr Sec School, Chennai</b> <i>12th   TNBHSE   76%</i>	2021
<b>Vyasa Vidyalaya Matric Hr Sec School, Chennai</b> <i>10th   TNBHSE   72%</i>	2019

## Skills

**Programming:** Java, Python, Html & Css, SQL

**Tools & Platforms:** Cisco Packet Tracer, Matlab, Arduino, Linux

**Areas of Interest:** Development, Networking, Cybersecurity, Embedded Systems

## Projects

<b>EEG-Based Stress Data Classification (Backend)</b> <ul style="list-style-type: none"><li>Collected real-time EEG data and exported it to CSV format.</li><li>Preprocessed signal data and applied ML models for classification.</li><li>Classified stress levels into low, medium, and high.</li><li>Tools: Python, EEG Device, Machine Learning, CSV</li></ul>	<a href="https://github.com/gir1x/Python-projects">github.com/gir1x/Python-projects</a>
<b>Web Interface for EEG Results (Frontend)</b> <ul style="list-style-type: none"><li>Developed a website to visualize stress classification results.</li><li>Used HTML/CSS for layout and SQL to manage data.</li><li>Created a clean UI for users to review predictions.</li><li>Tools: HTML, CSS, SQL, Web Hosting</li></ul>	<a href="https://github.com/gir1x/Web-Project-">github.com/gir1x/Web-Project-</a>
<b>Image Processing-Based Product Detection</b> <i>Tools: OpenCV, Segmentation, Object Identification</i> <ul style="list-style-type: none"><li>Designed an image-processing system to detect objects by color and shape.</li><li>Applied segmentation techniques to automate product classification.</li><li>Used open-source tools to simulate analysis workflows.</li></ul>	Apr 2024

## Internship

<b>Intern – Airports Authority of India (AAI), Electronics Department</b> <ul style="list-style-type: none"><li>Completed internship at Chennai Airport’s Electronics Department.</li><li>Gained hands-on knowledge in communication and navigation systems.</li><li>Acknowledged for dedication, sincerity, and punctuality.</li></ul>	Jul 2024, Chennai
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## Workshops / Seminars

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### **Centre for Transformation Leadership – KCG Tech (2021–2024)**

*Skills: Communication, Design Thinking, Team Building*

- Participated in skill-building programs focused on leadership and collaboration.
- Activities included brainstorming, public speaking, and design-based challenges.

## Activities & Interests

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- Active chess and basketball player; enjoy eSports tournaments.
- Passionate about cooking and exploring new recipes.
- Enjoy hardware repair and DIY electronics problem-solving.