

HEMALATHA M

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EDUCATION

JEPPIAAR INSTITUTE OF TECHNOLOGY

Chennai

B.E in Electronics and Communication Engineering; CGPA: 7.8 %

August 2021 – April 2025

SKILLS

- **Languages:** Python, C, C++
 - **Web Technologies:** HTML, CSS, JavaScript (JS), Node.js, React.js, Flask
 - **Cloud & DevOps:** AWS (EC2, S3, IAM, VPC)
 - **Databases:** MySQL, SQLite, PostgreSQL
 - **Libraries & Tools:** NumPy, Matplotlib, T5 (NLP), Jupyter Notebook
 - **Tools:** Visual Studio Code, MS Office Suite (Excel, Word, PowerPoint)
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INTERNSHIPS

Python Developer Intern – (Trios Technology Pvt Ltd)

- Collaborated on real-world projects and presentations.
 - Applied Python concepts to solve practical problems.
 - Improved proficiency in software tools and teamwork.
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PROJECTS

Earthquake Visualizer (React + Leaflet)

- Real-time map of global earthquakes using USGS GeoJSON API.
- Color-coded markers by magnitude; deployed via GitHub Pages.
- Live Demo: <https://Hemamano11.github.io/earthquake-visualizer>
- GitHub Repo: <https://github.com/Hemamano11/earthquake-visualizer>

Adaptive Question Generator (Flask + NLP)

- Integrated T5 model to generate questions from input text.
- Keyword extraction, PDF/DOCX export, SQLite backend.

Tourist Guide Website – Kanchipuram Temples

- Responsive design with HTML/CSS.
 - Interactive navigation and cultural descriptions.
 - Live Site: [Kanchipuram temples](#)
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CERTIFICATES

- Advance Diploma in Python Technology – Apollo Computer Education
- AWS Essentials – Certificate of Completion
- AWS & DevOps Course - Completion Certificate
- RPA Foundation Course - Certificate
- Typewriting Senior Grade – English & Tamil