

Sparsh Chakraborty

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EDUCATION

Bachelors of Computer Science Engineering with specialization in AI & ML,

[Sep'22 - May'26]

2nd year student of the School of Computer Science at Vellore Institute of Technology Chennai Campus, expected graduation in May 2026. CGPA: 9.00/10

- **Coursework:** Data Structures and Algorithms, Algorithm Analysis and Design, Object Oriented Programming, Computer Networks, Operating Systems

TECHNICAL PROJECTS

MRIG [\[Link\]](#)

- Created a medical report generation software which utilizes the Resnet50 CNN model and further builds upon it to generate 13 parameters displaying crucial information regarding the user's chest Xray scan.
- Spearheaded Creation of the Frontend and the Backend Integration using Flask and HTML/CSS and Vanilla JS
- Deployed ML model Successfully and Integrated a ChatBot which works on custom dataset and LangChain

Jalamniti [\[Link\]](#)

- Developed the front-end of a machine learning model-based web application that displayed the contamination levels in nearby water sources.
- Utilized Google technologies to enhance the functionality and user experience of the web application.
- Developed a ML based Website to monitor the Contamination levels and pollution levels in nearby Water Bodies.

Elysium

- Designed an app for a competition using Figma to promote pregnancy awareness for all people, including cis-gendered women, transgender men, and non-binary individuals.
- Conducted thorough research to ensure the app was inclusive and provided accurate and relevant information to its users.

EXPERIENCE

Software Development Intern, Stair Digital Pvt Ltd

- Developed responsive web applications using React, Django, and PostgreSQL, contributing to key features and enhancing user engagement.
- Automated data extraction processes through web scraping, enabling efficient data analysis and support for strategic decision-making.
- Implemented AI models for predictive analysis, improving operational efficiency by 20% through machine learning optimizations.

Technical Content Writer, TMI (The Mobile Indian), Chennai

- Created and edited high-quality content, including technological reviews and recent short news articles, utilizing strong writing, research, and proofreading skills.
- Increased the visibility and reach of the content through SEO optimization techniques and managed the website using WordPress.
- Enhanced the visual appeal of the content through photo editing skills.

POSITIONS OF RESPONSIBILITY

Google Developer Student Club, VIT Chennai | Social Media Lead

[Aug'23 - Present]

- Member of the Web Development team but leading a team for our Social Media Outreach
- Conducted events for Google DSC and grew our Social Media Presence
- Recruited Members for the community and helped them grow

IEEE Student Branch | Content lead

[Aug'23-Present]

- I oversee the creation and publication of content related to prompt engineering and AI for the IEEE SB.
- I provide guidance and direction to my team members to ensure that the content produced is accurate, informative, and engaging.
- I am responsible for the development and maintenance of the CMS used by my team to manage and publish content on the IEEE SB website.

SKILLS

Languages and Framework: C, C++, Python3, Solidity Java, HTML5, CSS3, JavaScript, ReactJS, NodeJS, SQL

Software: Git, MATLAB, Keil UVision, LTspice

Spoken Languages: English (Full Professional Proficiency), Hindi (Native Proficiency), Bengali (Native Proficiency)