

Samyak Bharsakle

B. Tech

Govt. College of

Engineering, Amravati

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EDUCATION

- Government College of Engineering, Amravati** 2022-2026
Bachelors of Technology in Information Technology CGPA/Percentage: 8.24
- Shri RLT College of Science, Akola** Year
Board of Higher Secondary Education, Maharashtra Percentage in CS: 95/100

EXPERIENCE

- Cybersecurity Intern -CDAC Pune** Dec. 2024 - Jan 2025
CyberGyan, Centre for Development of Advanced Computing (CDAC) Pune On-site
 - Acquired expertise in network security, vulnerability assessment, and threat analysis through structured training.
 - Conducted hands-on labs with Nmap, Google Dorks, Wireshark, and OLAP, enhancing cybersecurity diagnostics skills.
 - Researched and presented File Inclusion Attacks, detailing exploitation methods and mitigation strategies.
- President – Institution of Engineers (Student Chapter)** Oct. 2024 - Present
A showcase of my leadership skills with a slice of team management On-site
 - Directed a team of 10-15 members to design and execute seminars, technical workshops, and engineering hackathons.
 - Managed end-to-end event workflows, including stakeholder coordination, resource allocation, and execution.
 - Spearheaded technical skill-building initiatives with hands-on sessions in software development.
- Project Coordinator and Developer** Aug 2023 - Present
Information Technology Student Association Remote
 - Spearheaded the end-to-end project lifecycle, including requirement gathering, technical planning, and execution, resulting in a comprehensive resource hub for students..
 - Coordinated the integration of UI elements with backend functionalities via Git and GitHub, ensuring version control and efficient collaboration.

PERSONAL PROJECTS

- Micrograd** July 2024
A lightweight, Python-based autograd engine for educational purpose
 - Tools & technologies used: Python3, Numpy, Jupyter Notebook and Graphviz
 - Implemented an autograd engine from scratch, including foundational machine learning concepts such as back-propagation and computational graphs. Followed along with Andrej Karpathy's Tutorial
- Retrieval-Augmented Generation (RAG) App for Startup Documents** Ongoing
A scalable document retrieval system for managing startup-related documents.
 - Tools & technologies used: Mistral NeMo 12B, LangChain, Cohere Embeddings, ColBERTv2, FAISS, PyPDF2, docx2txt, PyTesseract, OCR, Python.
 - Designed an ingestion pipeline to process PDFs (digital + scanned with OCR), Word, and Markdown documents.

TECHNICAL SKILLS AND INTERESTS

Languages: Python3, C/C++, JavaScript, HTML, CSS, ReactJS

Developer Tools: Git, Visual Studio Code, Jupyter Notebook, Sublime Text, Vim, NeoVim

Frameworks: Pytorch, Scikit-Learn, Langchain, ReactJS

POSITIONS OF RESPONSIBILITY

- Core Team Member, Google DSC** August 2023 - August 2024
- Team Lead, GFX and VFX Team College's TechFest** January 2024 - March 2024

ACHIEVEMENTS

- GDSC coding competition :** Runner up Oct 2023
- IE quiz on Tech :** Secured 1st rank overall Sept 2023