# ABHIRAJ ARYA

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## SUMMARY

I am a Computer Science Engineering student specializing in AI, cybersecurity, and full-stack development. I am skilled in machine learning, natural language processing, and software development, with hands-on experience in building AI-driven applications and implementing cybersecurity solutions. I have experience in developing efficient, scalable systems and continuously improving my technical expertise.

## SKILLS

**C++, Python, Deep Learning, Generative AI, Machine Learning, NLP:** Visual Studio, Jupyter Notebook, Pycharm, VS Code, NLTK, GPT-4, OpenAI API

## CERTIFICATIONS

- Python Essential
- Fundamentals of AI/ML
- Programming in JAVA

## EDUCATION

**Vellore Institute of Technology**                                          **September 2023 - June 2027**
*B. Tech, Computer Science Engineering*                                               *CGPA: 8.41*

## PROJECT EXPERIENCE

**AI Generative Multiple PDF Analyzer**                                                    **Remote**
*Research and Development*                                              *February 2025 – April 2025*

- Led end-to-end development of AI-powered tool for analyzing and extracting insights from multiple PDFs simultaneously.
- Architected the program structure and implemented key functionalities using Python and advanced generative AI models.
- Designed an intelligent pipeline for automated text extraction, summarization, and contextual understanding, enhancing document processing efficiency.
- Applied deep learning and NLP techniques to transform unstructured documents into actionable insights.
- *Link to project*

**Spam Detection**                                                                         **Remote**
*Research and Development*                                         *September 2023 - January 2024*

- Researched and implemented machine learning algorithms for SMS spam detection, utilizing Python and scikit-learn.
- Directed data preprocessing efforts and conducted exploratory data analysis to uncover patterns within SMS data, guiding feature selection and model optimization.
- Contributed to model evaluation and continuous improvement, ensuring the system's effectiveness and reliability through iterative enhancements and regular retraining.
- *Link to project*

## LEADERSHIP EXPERIENCE

**Null VIT Bhopal Student Chapter**                                                 **Bhopal, India**
*Secretary*                                                                    *June 2024 - Present*

- Organized 10+ cybersecurity events, elevating students' interest and skills in information security.
- Led all club activities, increasing member participation by 30% and launching cybersecurity education programs that enhanced practical knowledge for over 100 students.
- Delivered 10+ presentations on trending cyber threats and countermeasures, enhancing community awareness.
- Mentored 20+ new members, guiding them through hands-on cybersecurity projects that improved their technical proficiency by 40%.

## Work Experience

**India Space Lab**                                                                         **Remote**
*Winter Internship & Training Program 2024-2025*                    *December 2024 - January 2025*

- Successfully completed the Winter Internship, gaining hands-on experience in space research and technology applications.
- Developed a strong understanding of Advanced Drone technology, Can-Sat, CubeSat and Space Entrepreneurship through practical training.

**Shunnaya**                                                                               **Remote**
*Full Stack Web Developer Intern*                                  *December 2024 - January 2025*

- Optimized web applications, reducing load times by 30% and improving user experience metrics by 25%.
- Completed 100% of assigned projects on schedule, ensuring smooth implementation and functionality.
- Reduced debugging time by 20% and accelerated feature deployment through efficient code improvements

## CO-CURRICULARS

- **Karate:** *Gold Medalist, 65th SGFI National Karate Tournament (2019-2020)*
- **2nd Position**: *Mathematics Model Presentation Competition by National Mathematics Week (2024)*