

SHRUTI SINGH

+91 8401795649 | shru2004@gmail.com | linkedin.com/in/shruti-singh-2004s01s12 | github.com/shrutisingh004

Education

BTech in Computer Science and Engineering with Specialization in AI & ML	CGPA = 8.88
<i>VIT Bhopal University</i>	
12th Grade (CBSE)	Percentage = 87.2%
<i>Kendriya Vidyalaya Sangathan</i>	
10th Grade (CBSE)	Percentage = 93%
<i>Kendriya Vidyalaya Sangathan</i>	

Experience

Technohacks Edutech	January 2025 – February 2025
<i>Machine Learning Intern</i>	<i>(Remote)</i>
• Implemented various machine learning algorithms (e.g., K-mean clustering, Decision Trees) on real-world datasets.	
• Evaluated model performance using metrics such as accuracy, precision, recall, and confusion matrix.	
• Gained hands-on experience with Python, scikit-learn, NumPy, Pandas, and Matplotlib.	
• Improved understanding of the end-to-end machine learning workflow, from data handling to model deployment basics.	

Projects

Chatbot to Analyze PDF Documents Using LLM <i>NLP, LangChain</i>	September 2025
• Developed a chatbot capable of analyzing and summarizing PDF documents using Large Language Models (LLMs) and LangChain.	
• Implemented PDF text extraction, context-based querying, and conversational interaction for real-time information retrieval.	
• Link : https://github.com/shrutisingh004/Chatbot-to-Analyze-PDF-Documents-Using-LLM.git	
Virtual Mouse <i>Python, Computer Vision</i>	
• Implemented a gesture-controlled virtual mouse using OpenCV, MediaPipe, autopsy, and NumPy.	
• Leveraged webcam-based hand tracking to enable users to perform mouse actions : clicking, scrolling, dragging - using intuitive gesture controls, demonstrating proficiency in real-time image processing and human-computer interaction.	
• Link : https://github.com/shrutisingh004/Virtual-Mouse/tree/main	
Text Completion Generator <i>NLP, Python</i>	April 2025
• Built a Natural Language Processing model to generate coherent text completions based on user input. Implemented using Python with machine learning libraries, showcasing sequence modeling and text prediction.	
• Designed for real-time interaction, with emphasis on context awareness and fluency in generated sentences.	
• Link : https://github.com/shrutisingh004/Text-Completion-Generator	

Technical Skills

Programming Languages: C, C++, Python, Java, HTML, CSS, JavaScript, MySQL

Tools & Platforms: GitHub, Visual Studio Code, IntelliJ IDEA, Google Colab, Power BI, Amazon Web Services (AWS), Oracle Cloud

Techniques: Machine Learning, Deep Learning, Generative AI, NLP, Data Analysis, Data Visualization, Web Development

Certifications

- Google Introduction to Generative AI ([Link](#))
- Oracle Cloud Infrastructure Certified AI Foundations Associate ([Link](#))
- Oracle Cloud Infrastructure Certified Generative AI Professional ([Link](#))
- GEN AI Using IBM Watsonx ([Link](#))
- Applied Machine Learning in Python ([Link](#))
- IBM Blockchain Fundamentals ([Link](#)), IBM Blockchain Developer ([Link](#))