

Ishaan Gupta

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EDUCATION

BENNETT UNIVERSITY

2022 - Present

Bachelor of Technology in Computer Science

Engineering CGPA: 9.6

PROJECTS

[ClickSafe](#) | [Github](#)

August 2023

- Engineered and maintained an advanced cybersecurity tool achieving 96% accuracy in URL threat detection using **Random Forest Classifier**, **Python**, and **Sci-kit learn**
- Analyze 11,000 balanced dataset samples across 80 parameters for reliable malicious URL identification.
- Implement real-time URL evaluation using **BeautifulSoup4**, **Flask**, and **Django**, reducing phishing attacks by 50% through a custom **Google Chrome extension**.

[Universal Web-scraper using LLMs](#) | [Github](#)

February 2024

- Designed the system to efficiently handle data extraction from non-standardised sources such as government websites using **Python**, **Tensorflow**, **BeautifulSoup4**, enabling the automation of data retrieval across diverse platforms without the need for custom scripts for each site.
- Increased web-scraping efficiency and data collection capability by 200% and enabled flexible data storage options, supporting multiple formats including JSON, CSV, and TXT.

[Sanskrit GPT \(A nano-LLM fine-tuned on Sanskrit text data\)](#) | [Github](#)

August 2024

- Worked on Data Processing tasks for a nano-GPT model of around 10.7M parameters with 6 layer deep neural network and multi-head self attention layers.
- Collected, cleaned and preprocessed around 2.5 GB of **Sanskrit** textual data using **Regex**, **Web-scraping**, **Python**, **Transliteration** libraries, to prepare the data for training steps.

[AI Avatar Portfolio](#)

September 2024 - Ongoing

- Developed an innovative web application using **ReactJS** and **Typescript** to create interactive digital clones of job seekers, serving as a dynamic digital portfolio.
- Implementing advanced **GenAI** features including **Text-to-Speech** using **WhisperLM** and conversational AI powered by **Google's Gemini LLMs**.

SKILLS

Languages: C++ | HTML/CSS | Python | JavaScript | PyTorch

Technical Skills: OOPS | Git and GitHub | Regex | SQL | TailwindCSS | NLP | Keras | Generative AI

Frameworks: React Js | Next Js | Node Js | Tailwind CSS | LLMs | OpenAI | Claude | TensorFlow

CERTIFICATIONS AND AWARDS

- Dean's List Award for academic excellence
- A+ in Statistical Machine Learning, demonstrating expertise in core AI/ML concepts
- [Deep Learning Specialization - by Andrew Ng](#)
- [Exploratory Data Analysis for Machine Learning - by IBM](#)

EXTRACURRICULARS

- Secured 2nd place in HUNTAI hackathon, demonstrating practical application of AI/ML skills.
- Participated in 10+ hackathons over 2 years, consistently ranking in top 10% and honing rapid prototyping abilities
- Selected as university representative for SemiCon 2024, networking with industry leaders in semiconductor technology