Chitransh Saxena

B.Tech Computer Science

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EDUCATION

Course	College/University	Year	CGPA/%
B.Tech Computer Science	Manipal University, Jaipur	2022-26	8.01
Junior College	Chethana PU College(Deeksha)	2020-22	87
High School	Nagarjuna Vidyaniketan	2008-20	90

RELEVANT COURSEWORK AND CERTIFICATIONS

- Database programming with PL/SQL – oracle academy
- Career Essentials in Generative AI - Microsoft and LinkedIn
- Learn Ethical Hacking From Scratch – Udemy
- Advance Learning Algorithms – DeepLearning.ai x Stanford online
- Prompt Engineering for everyone - IBM
- Supervised Machine Learning - Deeplearning.ai x Stanford online
- Red Hat System Administration -Red Hat academy
- Project intern - 1Stop.ai x threat prism

SKILLS & LANGUAGES

- **Soft Skills**: Teamwork and Collaboration, Time Management, Adaptability and Flexibility, Creativity, Marketing, Leadership and Management, Problem-solving and Troubleshooting,
- **Technical Skills**: API integration, Embedded AI, Data Analysis, Machine Learning, Cyber Security.
- **Programming Languages**: HTML, CSS, C++/C, Python, JavaScript
- **Tools & Libraries**: Linux, Github, VScode, Bootstrap, OWASP-ZAP, Scikit Learn, flask, Node.js, Express.js, EJS, Jupyter Notebooks, PostgreSQL, APIs

PROJECTS AND PRACTICAL EXPERIENCE

- **PizzAI-Embeddable-AI**

  Developed a web application using Python, HTML, CSS, JavaScript, Flask, NLTK, Google Speech-to-Text, Google Text to Speech, Jinja2, and Google Cloud. Responsibilities included setting up a virtual environment, designing the user interface, and integrating libraries and APIs. Enhanced speech recognition accuracy, improved usability with bug fixes and alternate input methods, and implemented specific stop words for better address recognition. Created an embeddable AI concept for a user-friendly experience.

- **Cancer Detection model**

  leveraging advanced machine learning for enhanced cancer detection through medical image analysis. Engineered a deep learning model using PyTorch and torchvision, implementing transfer learning with ResNet34 architecture. Employed data augmentation and hyperparameter tuning to optimize performance. Achieved an 80% increase in diagnostic accuracy, significantly improving early cancer detection capabilities.

PROFESSIONAL EXPERIENCE

- **Vice President | Cyber Space** [Apr'24 - Present]

  My role is to lead initiatives, foster innovation, and ensure a friendly environment, promoting collaboration and learning. I also organize events, manage projects, and support members' growth in cybersecurity skills and overall development.

- **1stop| Project intern** [Feb'23 -Mar'23]

  Acquired foundational knowledge in cybersecurity and ethical hacking, exploring techniques to bypass firewalls, access port information, and utilize tools like OWASP ZAP for scanning and attacking open ports. Engaged in practical projects to apply theoretical knowledge, gaining insight into the expansive realm of cybersecurity.

ACHIEVEMENTS

- Dean's List of Excellence