

DEEP SENCHOWA

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EDUCATION

Dibrugarh University Institute of Engineering and Technology
BTech - Computer Science and Engineering: CGPA: 7.8

Assam, India
Aug 2020 - July 2024

SKILLS SUMMARY

Languages: C++, Python, SQL, Java, JavaScript
Frontend: React, Bootstrap, Vite, TailwindCSS
Backend: Node.js, Express.js, Flask
Database: MySQL, MongoDB
AI/ML: PyTorch, Scikit-learn, Keras, Computer Vision, Pillow, Yolo
Tools: REST API, Git, AWS, Postman
OS: Linux, Windows

WORK EXPERIENCE

Full Stack Developer | Gratia Technology (P) Ltd **Aug 2024 - Nov 2024**

- Developed an Recruitment panel with user authentication, integrating HttpClient for API interaction, implementing error handling for form submissions, route protection with authGuard, and managing state efficiently using NgRx for seamless component communication and data persistence.
- Designed and developed a responsive landing page using React and Tailwind CSS, implemented an admin panel for managing employee data with authentication, data validation, and visual analytics, and built a Transfer Panel to handle employee transfer requests with approval workflows, real-time tracking, automated notifications, and data integrity checks.

Summer Intern | Bay Area Advanced Analytics India (P) Ltd **June 2023 - July 2023**

- Trained a model for semantic segmentation of surgical tools from green screen video data, prepared a dataset for model training, utilized Python, Matplotlib, OpenCV, Pandas, and Pillow for the process.

PROJECTS

Indoor Semantic Scene Understanding using Camera and 2D-LiDAR **Sept 2024**

- Develop a method to analyses the spatial arrangement of objects within indoor scenes, leveraging the combined information from cameras and 2D LiDAR sensors.
- Integrate depth perception derived from LiDAR data to enhance the accuracy of object relationships, particularly in scenarios where visual information alone may be ambiguous.
- Infer semantic relationships, such as objects being in close proximity, adjacent, in front of, or on top of one another, fostering a richer understanding of the indoor environment.

YouTube Video Downloader |Link **Mar 2024**

- Build a simple YouTube video downloader using PyQt5 and various Python libraries. It allows users to search for videos on YouTube, select one or more videos from the search results, choose between video and audio formats, and download the selected content to a specified folder.

CCSA-ACADEMIC | Link **April 2024**

- Developed an academic management system for teachers and students using React and Tailwind CSS for seamless notes and reference sharing functionalities.
- Integrated user verification and authentication with React Auth Kit.
- Utilized Express.js and MongoDB for back-end development.
- Implemented cookie-based user session management for enhanced user experience.

Job Finder | Link **Aug 2023**

- Developed a Python-based job scraper to extract job listings from portals like Naukri, Foundit, Shine, Indeed, and LinkedIn using Selenium and BeautifulSoup.
- Implemented data analysis with pandas and displayed results in an interactive table using the rich library.
- Added functionality to save the scraped data locally in CSV format for further use.

CERTIFICATES

Crash Course on Python (Google) | CERTIFICATE Aug 2023

- Learned about programming principles, scripting languages, data structures, Python programming, debugging, robotic process automation, data science, automation, data manipulation along with hands-on experience in integrated development environments and arithmetic concepts.

Introduction to Cybersecurity Tools Cyberattacks | CERTIFICATE Mar 2023

- Learned how to apply key cybersecurity concepts, tools, and methodologies to protect digital and physical assets.
- How to recognize various types of threat actors and malware and explore preventive measures.

Ethical Hacking Basics | CERTIFICATE Sept 2022

- Learned about Linux operating system, VMs, network protocols like WEP, WPA, WPA2. About different client-side and server-side attacks like XSS and SQL injection, how to discover them and prevent them. Learned how to discover, exploit and prevent system vulnerabilities.

Web Development Training (Internshala) | CERTIFICATE Jun 2022

- Acquired expertise in HTML, CSS, Bootstrap, DBMS, PHP, JavaScript, and React through hands-on experience working on a project.

LANGUAGES

English (Fluent), Hindi (Fluent), Assamese (Native)