Yogesh Bijalwan
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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Sept, 2022 - Present	B.TECH in Computer Science	Graphic Era Hill University Dehradun	8.83/10.0
2022	12^{th}, $U.B.S.E$	Bhagirathi Vidhya Sarovar Public School	85.80 %
2020	10^{th}, $U.B.S.E$	Bhagirathi Vidhya Sarovar Public School	91.80 %

PROJECTS

- **Speech-to-Text and Text-to-Speech** (Nov, 2023 - Jan, 2024) : Created a web application using HTML, CSS and JavaScript for converting voice to text and text to voice.The app features real-time speech recognition and natural text-to-speech, showcasing advanced front-end development and speech processing skill.
- **Weather Dashboard** (Feb, 2024 - April, 2024) : Developed a responsive weather dashboard using HTML, CSS, and JavaScript that fetches real-time weather data for any location using a public API. Features include temperature, humidity, wind speed, and forecast display. Implemented clean UI and error handling for invalid inputs.
- **Email Spam Detection** (Sept, 2024 - Nov, 2024) : Developed an interactive web-based frontend for email spam detection using Streamlit. Integrated a Naive Bayes model for real-time spam classification. Implemented text preprocessing, user input handling, and dynamic result display to enhance user experience.
- **Page Replacement Visualizer** (Dec, 2024 - Jan, 2025) : Built an interactive Page Replacement Algorithm Visualizer using React.js to simulate and demonstrate algorithms like FIFO, LRU, and Optimal. The tool provides step-by-step visual feedback of memory frames and page faults, enhancing understanding of operating system concepts. Emphasized modular design and responsive UI for a smooth and intuitive learning experience.
- **Lexical analyzer** (Feb, 2025 - March, 2025) : Developed a Java-based Lexical Analyzer with GUI support that tokenizes source code written in C, C++, and Java. The tool identifies and classifies lexical tokens such as keywords, identifiers, operators, and literals, while also detecting and reporting lexical errors in real-time. Implemented efficient parsing logic to support accurate and language-specific token recognition.

TECHNICAL SKILLS

- **Languages :** Python , Javascript , C (proficient) , C++ (proficient) , SQL , Java
- **Frameworks :** ReactJs , Express.js , NumPy , Pandas , Matplotlib
- **Developer Tools :** Git , Github , Linux
- **Concepts :** Data Structures and Algorithms, Operating System, Object Oriented Programming, Database Management System , Machine Learning

ACHIEVEMENTS

- **Gate 2025 :** Qualified the GATE 2025 exam in Computer Science with a strong understanding of core subjects including Data Structures, Algorithms, Operating Systems, and Computer Networks.
- **District Level Table Tennis Competition :** Participated in a district-level table tennis competition and reached the Semi-finals.

CERTIFICATES

- **Google Cloud Computing Course (NPTEL)** Completed an NPTEL-certified course on Google Cloud Computing, covering cloud infrastructure, services, virtualization, networking, and security. Gained hands-on experience with Google Cloud Platform (GCP) services and deployment strategies.
- **Build Websites in HTML and CSS (Udemy)** Completed a Udemy course on web development, focusing on building responsive and visually appealing websites using HTML and CSS. Learned best practices for structuring web pages, styling with CSS, and creating user-friendly designs.