JHANVI PATEL

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EDUCATION

Northeastern University, Boston, MA | GPA: 3.68   **May 2024**

Master of Professional Studies, Informatics, Major in Cloud Computing (Humanics Awardee)
- Cloud Architecting; System/Software Design-Development, Web-Technologies, Project Management

MBIT Institute, Gujarat Technological University, Gujarat, India | GPA: 3.78   **Aug 2021**

Bachelor of Computer Engineering
- Database Management, Computer Networking, Data Structures and Algorithms, Operating Systems

SKILLS

Programming Languages: Python, JavaScript, Java, OOP-concept, HTML/CSS, MySQL, Typescript **Web Technologies:** REST-APIs, HTTPS, Sockets, ReactJS, JSON, Chrome Dev-Tools

UI/UX: Figma, User Design, Wire-Framing, A/B Testing, User Testing

Tools and Services: Trello, Github/Git, AWS(S3, EC2, SNS, RDS, SQS, IAM, Lambda), Docker

EXPERIENCE

Breathing.Ai   **Aug 2023- Jan 2024**

Software Engineer Intern (Python, TypeScript, ReactJS, NextJS)   New York City, New York
- Improved company's Chrome extension by 52% to suggest breaks to enhance user health for longer screen periods and integrated GIF-synced user breathing patterns on the RPPG screen
- Researched human expressions, reactions, and Body mass index for deep learning face detection
- Designed secure payment methods and generated coupon codes, optimizing 200+ subscription models
- Collected data, analyzed with SQL, and converted and designed the health software for Spanish users
- Partnered with UI/UX team to redesign project, leveraging React and Tailwind CSS, to improve web extension with technical enhancements; integrated optimizations, leading to a surge in user engagement

Brainstorm Media House   **Aug 2021 - Nov 2021**

Web Full Stack Developer (JavaScript, ReactJS, HTML, CSS)   Pune, India
- Improved design of the company's website adding functionality like hovering visual images and graphics on the front page
- Incorporated RESTful APIs in the system to optimize caching and bounce rate problems
- Worked with the agile team to discuss further design and functionality of user engagement on the website

PROJECTS

Gen-AI Chatbot for Procurement, Northeastern Inclusive Lab   **Jan 2024 - April 2024**
- Led the team to the development of a Gen-AI chatbot for supplier diversity procurement
- Integrated OpenAI API and Lang chain for creating generative responses, for Pinecone, a vector-database
- Crawled data from 50+ webpages across 10 websites using Beautiful Soup, Python, and SQL
- Conducted research on user needs to improve, add functionality to the chatbot, and improved the chatbot design according to them, performed on-ground user testing with 10 vendors

Crypto Analysis with Cloud, Northeastern University.   **Jan 2024 - Mar 2024**
- Integrated live crypto API (Coin Gecko, Coin base) to fetch real-time data on Prices, Volume, Market Cap
- Implemented AWS Lambda with HTTPS requests, JSON data parsing; and storing 23000+ data objects in the S3 bucket, visualized the data on Prices and market cap to make it for users to predict
- Analyzed data with AWS Athena and SQL queries and created visualizations with AWS Quicksight

Rock-Paper-Scissors Game, Northeastern University   **Jan 2023 - April 2023**
- Conducted in-depth game design and analysis to develop an engaging "rock-paper-scissors" game playing against the computer, using HTML, CSS, and JavaScript
- Designed interactive, visually appealing, sound effects as per game outcomes and responsive user interface
- Developed dynamic game logic, including user input handling, CPU choice generation, and real-time scoring functionalities