Sonal Gehlot

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EDUCATION

Atharva College of Engineering   **Mumbai**
Bachelor in Engineering, Information Technology (CGPA: 8.85/10)   *(July 2018 - June 2022)*

Shri Tikamdas Purshotam Bhatia College of Science   **Mumbai**
Junior College   *(July 2016 - June 2018)*

TEST SCORES

GRE: 307
Verbal Reasoning: 146, **Quantitative Reasoning:** 161, **Analytical Writing:** 3.5

IELTS
Overall Band Score: 7.5
Listening: 8.5, **Reading:** 7.0, **Writing:** 6.0, **Speaking:** 7.5

PROJECTS

Breast Cancer Detection Using Machine Learning *(Machine Learning, Data Analytics and Web Development)*
- Designed and implemented a medical diagnosis web app utilizing Naive Bayes and K Nearest Neighbor algorithms for accurate detection.
- Developed a user-friendly interface enabling doctors and patients to access patient profiles securely, comprehensive case histories, and personalized treatment recommendations.
- Seamlessly integrated data analysis techniques, empowering medical professionals to make informed decisions based on patient data and recommended treatments.
- Added a way to identify the traits that most effectively distinguish between malignant and benign cancer, aiming to uncover general trends that could guide the selection of optimal models and hyperparameters.

YelpCamp (*Full Stack Web Development***)**
- Created a user-centric web platform for campground reviews using Node.js, Express.js, and MongoDB.
- Implemented responsive design, user authentication, interactive maps, CRUD operations, and cloud image storage to provide a dynamic and engaging experience.

Sports Equipment Shop Chatbot (*Artificial Intelligence***)**
- Developed a sports equipment chatbot using AI and NLP for customer service in the retail technology industry, specifically for the sporting goods domain.
- Utilized a modular chatbot framework for scalability and future enhancements.

College Campus Network Design (*Computer Networks***)**
- Designed a LAN topology for effective data exchange and interaction among various departments.
- Enhanced network performance, scalability, security, reliability, and remote access capabilities.

PUBLICATION

Breast Cancer Detection Using Machine Learning
*International Research Journal of Engineering and Technology (**IRJET**)*

Developed and implemented two machine learning models (Naïve Bayes and k-Nearest Neighbor) for breast cancer detection using the Wisconsin Diagnostic Breast Cancer dataset. Achieved accurate results in real-time, potentially contributing to improved diagnoses and patient care.
Volume: 09 Issue: 03 | March 2022

SKILLS

Programming Languages: Python, Java, Node.js

Web Technologies: JavaScript, PHP, HTML5, CSS3, Ajax and jQuery

Databases: MongoDB, MySQL/SQLServer

Platforms: Linux, Android, Windows, Chrome

Creative Tools: Adobe Premiere Pro, Adobe Photoshop, Adobe After Effects

INTERNSHIPS AND WORK EXPERIENCES

Sparks Foundation (*Web Developer / Designer***)**   **(***Feb 2023 – May 2023***)**
- Worked on developing a web payment integration system to enhance transaction processing efficiency and user experience.
- Implemented responsive design principles using HTML, CSS, and JavaScript to ensure optimal user interaction.

Verzeo (*Software Engineer Intern***)**   **(***March 2021 – April 2021***)**
- Developed a frontend website from scratch, utilizing HTML, CSS, and JavaScript and collaborating on a full-stack web app incorporating a machine learning model, gaining hands-on experience with MongoDB and ReactJS.

Sahu Technologies (*Software Engineer Intern***)**   **(***October 2021 – November 2021***)**
- Developed a website from the ground up for providing blog posts and courses on a variety of subjects.

Sahu Technologies *(Technical Content Writer)*   **(***May 2020 – May 2020***)**
- Authored engaging technical content for the company website, focusing on diverse programming languages and methodologies.
- Translated complex concepts into accessible articles, enhancing communication skills and technical understanding.

FREELANCE VIDEO EDITOR   *(August 2021 - Feb 2023)*

- Worked as a freelance video editor for multiple clients including companies like Yoganta and TakeOff.
- Edited and curated engaging health and fitness content for Yoganta's social media channels, resulting in increased viewer engagement and brand recognition.
- Worked on enhancing Yoganta's brand identity by creating dynamic and memorable logo animations, contributing to a visually impactful online presence.
- Collaborated closely with the marketing team to align content with brand goals and maintain a consistent brand image across all social media platforms.
- Edited and curated diverse content for influencers, aligning with their brand styles and creative visions.
- Created captivating brand logo animations, ensuring a visually appealing and memorable brand presence for clients.
- Collaborated closely with influencers to deliver engaging workout videos, advertisements, and promotional content.

EXTRACURRICULAR ACTIVITIES

- Organized stalls and games during the college festivals.
- Volunteered in the marketing team to bring in more celebrities and crowds.
- Helped make props and other decorating items for the art team.
- Participated in a college debate team discussing current affairs.