Dhrumil Shah

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EDUCATION

Master of Science in Computer Science   Aug 2022 – May 2024
California State University, Los Angeles
Relevant coursework: Advanced Software Engineering, Advanced Web Programming, Database Systems

Bachelor of Technology in Computer Engineering   July 2018 – April 2022
Charotar University of Science and Technology, India

SKILLS

Languages: Python, Java, JavaScript/TypeScript ,HTML5, CSS3, SASS

Software and OS: Google Cloud Platform (GCP), Visual Studio Code, Docker, Kubernetes, Linux, Postman, Figma, Webpack, Microsoft Office Suite, Git, Redux, Agile, JIRA, SDLC

Front-end Technologies: React.js, Angular, Bootstrap, jQuery, AJAX

Back-end Technologies: Node.js, Express.js, Java Spring Boot, Flask, RESTful APIs

Databases: PostgreSQL, MySQL, MongoDB, Firebase

WORK EXPERIENCE

Spontaneous Enterprise Pvt Ltd.   Ahmedabad, India
Software Developer Intern   *Dec 2021 – August 2022*
- Led the design and upkeep of GenialERP using HTML5, CSS3, Bootstrap, JavaScript, and jQuery for the various dashboard, ensuring seamless cross-browser compatibility and an enhanced user experience
- Engineered a seamless codebase in C#, Reactjs, Nodejs and implemented a python script using beautifulsoup and scrapy, ensuring live price list updates, resulting in real time tracking in price changes.

Gemini India Pvt Ltd   Ahmedabad, India
Full-stack Developer Intern   *June 2021 – August 2021*
- Designed a functional and visually appealing e-commerce website using Reactjs, Nodejs, MongoDb, Python and bootstrap, resulting in elevated efficiency by over 70%.
- Collaborated on a strategic plan with a co-worker, always resulting in 99% website availability.
- Received positive reviews from the end-client by consistently delivering high-quality and reliable solutions.

PROJECTS

ShoppingX Web Application (ReactJS, NodeJS, ExpressJS, MongoDb)   *Fall 2023*
- Led the development of ShoppingX e-commerce platform using React and created a responsive and dynamic user interface, resulting in enhanced user experience and faster loading times.
- Used Nodejs, Expressjs and RESTful APIs, ensuring efficient data handling and processing.
- Intergrated WebSepeechAPI to create a voice search functionality, resulting in hands-free experience for users.

Electronic Health Record System (ReactJS, NodeJS, ExpressJS, MongoDb, Python, Tensorflow)   Spring 2023
- Developed and maintained a web application using ReactJS for managing patient records and visualizing health data, resulting in a seamless and user-friendly experience for healthcare providers.
- Integrated Socket.IO with Nodejs to implement real-time updates and notifications, resulting in immediate access to the patient information and timely alerts for the healthcare staff.
- Used TensorFlow.js with ReactJS to implement AI-driven analytics, resulting in predictive health insights and personalized treatment recommendations based on patient data trends.

Human Activity Recognition system (Python, NumPy, Keras, Pytorch)   *Fall 2022*
- Led a team of 5 experts in customizing human activity detection algorithms, including Random Forest using TensorFlow and OpenCV. Successfully applied the customized models to identify the activity performed by the human from videos and images.
- Attained a remarkable 62% IoU score by extensively optimizing the human activity detection model. Additionally integrated image captioning capabilities to enhance the model's functionality.

Genial ERP Web-App (C#, Javascript, MongoDb, HTML, CSS, Python)   *Dec 2021-Aug 2022*
- Developed and launched a web platform for vendor order collection at construction sites, cutting down manual data entry by 50% and enhancing order accuracy by 20%.
- Implemented features for order tracking, taxation and stock reconciliation. Also allows vendors to access daily updated price list for commodities.
- Led the project team, ensuring timely delivery of the final product with 100% uptime, enhancing reliability and user satisfaction.
- Achieved a 70% reduction in time between buyers and sellers through optimized order processing and streamlined communication.