

Dev Kalavadiya

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EDUCATION

New York University Abu Dhabi

Abu Dhabi, UAE

B.S. in Computer Science and Interactive Media, Minor in Applied Maths, GPA:3.96/4.0

Aug. 2020 – May 2024

Full Tuition Scholarship to NYU with the Global Studies Track for Computer Science

EXPERIENCE

Software Engineer Intern (Full Stack)

October 2021 – Present

DHAKIRA Center for Heritage Studies, /Shipping-database

Abu Dhabi, UAE

- Developed database web app using Node.js, React, and Express.js with more than 75,000 shipping records.
- Implemented a comprehensive backend search engine using Express.js, improved speed by 80%. Optimized auto suggestion to be 2x faster.
- Created data collections in MongoDB and linked 3 separate databases together to the backend.
- Automated data filtering, cleaning, and seeding of the entries using Mongoose.js.

Web Designer & Developer

June 2021 – August 2021

New York University Abu Dhabi, /1001Worlds

Abu Dhabi, UAE

- Constructed a travel blog website for a professor, utilizing custom HTML & CSS to create a visually-appealing interface with user-friendly navigation.
- Transferred content from existing site to new WordPress platform, improving page loading speed by 30% and reducing bounce rate by 20%.
- Designed and developed an interactive world map to highlight heritage sites across the globe that garnered 150+ views in the first month.

PROJECTS

MealHub | *Agile, SCRUM, Flask, React, MongoDB, Node.js, Express.js, Docker*

July 2022 – December 2022

- Developed full-stack web application utilizing React and Express.js, enabling users to meet new people and explore restaurants in their area.
- Constructed RESTful APIs with NodeJS backend to provide seamless integration between frontend components and the database layer, leading to an average response time reduction of 40%.
- Deployed web app using Droplet & Digital Ocean services for secure access to the website globally.
- Assumed the role of a scrum master of a team of 5 members, meeting sprint deadlines within one week and achieving 95% accuracy to ensure timely delivery of project milestones & deliverables.
- Built a modern and responsive UX with React, Bootstrap, and Material UI with custom CSS.

Sentiment Analysis | *NLP, Data Analysis, Python, Panda, TensorFlow*

May 2022 – December 2022

- Conducted sentiment analysis on 50000+ hotel reviews utilizing Simple Vector machine, Simple Neural Network & bidirectional LSTM algorithms to compare the performance of various machine learning models.
- Identified & evaluated vital parameters impacting the accuracy of model predictions achieving 85% precision and recall scores after cross-validation.
- Authored a final paper summarizing the analysis results with statistical tests and graphs.

Arcade.ai | *Machine Learning (ML5), Artificial Intelligence, Python, P5.js, Posenet*

May 2021 – December 2021

- Trained and built different machine-learning algorithms to develop an arcade of games with gesture and voice controls in real-time.
- Used ML5 image classification and Google's Teachable Machine to gather input and train models for classifying inputs and integrating them into the game using P5.js code
- Harnessed Posenet to recognize human gestures for game control, achieving 87% accuracy in real-time simulations

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, MATLAB

Frameworks: React, Node.js, Express.js, MongoDB, WordPress, Material-UI, Semantic UI, Bootstrap, Selenium, Tensorflow, Mongoose.js, P5.js

Developer Tools: AWS, Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Linux, Postman, Digital Ocean, Vercel, Plesk

Libraries: pandas, NumPy, Matplotlib