KUSH GABANI

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PROFESSIONAL EXPERIENCE

Full Stack Developer @ Narola Infotech, Surat   **07/2021 – Present**

Stack migration, text-search optimization and seamless authentication experience
- Improved site performance by leading an **application migration** from the LAMP stack to the MERN stack.
- Enriched UX and application security by developing an SSO service using Node.js and MongoDB.
- Created and implemented database schemas and models for relational and no-SQL databases.
- Increased cost savings in API requests by developing an **optimized text search service** with memoization and debouncing functionalities.

Research Assistant @ Veer Narmad South Gujarat University, Surat   **05/2020 - 05/2021**

Analyzing the effect of climate change on the land cover using multispectral remote-sensing.   (Mr. Dhaval Vyas)
- Achieved a **dice coefficient of 0.83** by implementing a categorical focal loss to train segmentation models.
- Reduced the need for high-memory resources by reengineering the data preprocessing and ingestion pipeline with a custom-built Keras ImageDataGenerator to patch and augment images.

Classifying various leaf diseases on the leaf of *Phaseolus Vulgaris.*   (Mr. Nirav Desai)
- Achieved an accuracy of **95.05%** by training a CNN via hyperparameter tuning.
- Resolved data imbalance while performing EDA by streamlining the preprocessing workflow to incorporate data augmentation.

Backend Developer Intern @ Taxfile Invosoft Pvt. Ltd, Surat   **11/2019 - 04/2020**

Developed API in node.js and test suites in Spring framework for Java EE.
- Built an API in node.js, tested using Postman and ensured the intended functioning of the application by creating unit tests, integration tests, and database tests in the Spring framework.

EDUCATION

B.Sc. in CS @ Veer Narmad South Gujarat University, Surat   **06/2018 - 07/2021**

Entitled university 1st rank in B.Sc. Computer Science with **8.77/10 CGPA.**

PROJECTS

Radiokey: open-source music bot   Node.js • Discord.js   **10/2021 - 11/2021**
- Developed a discord music bot by coordinating with **10 contributors** that are currently serving **live in 20+ servers across India.** [https://github.com/kushgabani/radiokey]

SKILLS, CERTIFICATIONS & AWARDS

Skills: Python, JavaScript, Flutter,, TensorFlow, Node.js, React.js, Gatsby.js, TailwindCSS, PostgreSQL, Java, Figma.

Certifications:
- DeepLearning.ai's Tensorflow Developer Professional Certificate
- Zero to Mastery Academy's **43-hour** Complete Machine Learning and Data Science course.
- Coursera's Machine Learning course by Andrew Ng.
- Qubit by Qubit's **1-year** Introduction to Quantum Computing course.

Awards:
- Achieved a top-tier category score in a **24-hour Data Science Hackathon out of 55 participants** at CHARUSAT University organized by IEEE DEPSTAR.
- Achieved **1st rank** in Eureka, a project expo event, at Ignite National Techfest with a practical demonstration of my capstone project. as a single participant **out of 15 teams of two.**