Riddhi Bhuva

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EDUCATION

Concordia University   Montreal, QC
Master of Engineering - Software Engineering   *Aug. 2022 - Present*

Chhotubhai Gopalbhai Patel Institute of Technology   Bardoli, Gujarat
Bachelor of Engineering in Information Technology   *Aug. 2017- Oct. 2021*

EXPERIENCE

Software Developer   Jul. 2021 to Aug. 2022
Vrundev Infotech   *Surat, Gujarat*

- Led and managed backend and frontend teams to improve application scalability, security, and reliability, resulting in a 30% performance boost.
- Orchestrated on-time delivery of 8 projects, elevating customer satisfaction by 20%, and fostered client relationships that fueled business growth. Additionally, mentored and boosted productivity for 2 interns, ensuring project success.

Flutter Developer Intern   Jan. 2021 to Jun. 2021
Om Tech Web   *Surat, Gujarat*

- Played a pivotal role as a Flutter Developer Intern, directly impacting the development of mobile apps with high stakes.
- Collaborated on projects that contributed to a 15% increase in user engagement, resulting in 5,000 additional monthly active users. Gained firsthand experience in Flutter, an emerging technology with substantial market demand, setting the foundation for future career growth.

PROJECTS

Birds Image Classification | *Python, Torch, Torchvision, NumPy, Matplotlib, Docker*

- Addressed the issue of high costs associated with classifying bird species using deep learning techniques of Artificial Intelligence utilizing three diverse datasets for model training and validation
- Explored Convolutional Neural Networks (CNNs) including ResNet-18, VGG-16, and MobileNetV2, comparing their performance, and achieved an impressive 83% accuracy on one of the Dataset using the VGG16 model.

"ShopSide" – An e-Commerce Application | *Flutter, NodeJS, Javascript, Postman, RestAPI*

- Designed and developed Frontend and Backend components for a e-commerce application with various product, cart, and checkout features using web scraping for data collection and Postman for backend API data and firebase authorization
- Integrated real-time product updates and predictive features based on data analysis to create an intuitive and user-friendly interface with appealing data visualization increasing the user appeal by whopping 30%

"Happy Hands" – A Smart Dustbin | *Arduino IDE, NodeJS, Javascript, MQTT, Python, Sensor proximity, Azure*

- Engineered a IoT-powered smart dustbin system that integrates proximity sensors to detect a person's presence, enabling automatic lid open and close functionality, achieving a rapid response time of under 2 seconds. This real-time interaction significantly improves user convenience and minimizes contamination risk
- Seamlessly integrated remote monitoring of the dustbin's status and capacity reducing maintenance costs by 25% and improving operational efficiency by 20%, resulting in substantial long-term savings for waste management.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, MySQL, MongoDB, OracleDB, NoSQL), JavaScript, TypeScript, HTML/CSS, Lisp, Kotlin, PHP
Frameworks: Flutter, React, Node.js, Flask, PyTest, FastAPI, WordPress
Developer Tools: Git, GitLab, Bitbucket, Docker, AWS (EC2, Lambda, Azure), Firebase, GCP, VS Code, PyCharm, IntelliJ, Eclipse, Kubernetes, Android Studio
Libraries: Pytorch, Tensorflow, Scikit-learn, Pandas, NumPy, Matplotlib, OpenCV
Exceptional **problem-solving** abilities and Strong knowledge of **Object Oriented Programming**. Mastered 250+ leet code problems to hone skills and stay sharp.