

Proficient in translating concepts into code, driven by a dedication to engineering streamlined and sophisticated solutions. A seasoned Software Developer with a proven track record in developing practical, industry-ready applications.

EXPERIENCE

- Software Engineer** Aug 2023 - Nov 2023
[vEngageai](#) – Led Healthcare integration and project management initiatives. Bangalore, Karnataka
- Sales Marketing Executive** Aug 2023 - Nov 2023
At [ISKCON Koramangala](#) in Bengaluru, I was responsible for spearheading the development of the website, managing the social media pages, and overseeing all marketing efforts.
- Digital Marketing Executive** June 2021 - Aug 2021
[EDU WORLD INTERNATIONAL SURAT](#) Remote

PROJECTS

- Post-Discharge Services Suite (Python, Docker, MySQL, MongoDB, React)** Sept 2023 - Oct 2023
- Designed and implemented a suite of post-discharge services to improve patient care and streamline service integration, utilizing Python for backend development, docker for containerization, MySQL and MongoDB for Database Management, and React for front-end development, these services include form builders, insurance claims, and telephony services, and leveraging multiple technologies to enhance patient care and service efficiency. Integrated RabbitMQ for reliable message queuing and Twilio for SMS notifications.
- Qalki (TypeScript, React, Python, OpenCV, TensorFlow, HTML, CSS)** May 2022 - Present
- Developed and continue to enhance a platform designed to connect curiosity and knowledge with empathy, knowledge sharing and community support. Utilized TypeScript, React, and Python for development, with OpenCV and TensorFlow for advanced features, providing a comprehensive space for users to read, share, and engage on diverse topics. Hosted on qalki-dev.web.app.
- Medicine List Management System (Java, Spring Boot, React, Python, OpenCV, TensorFlow)** February 2024 - Present
- Developed a medicine management system with features for drug information, including indications, interactions, and dosage. Implemented search functionality and utilized Java, React, and Python for robust backend and frontend solutions.
- Predictive Analytics for Patient Readmission (Python, Scikit-learn, TensorFlow, Django, React, PostgreSQL, AWS) Present**
- Developed a predictive analytics model to forecast patient readmissions using machine (deep) learning techniques like logistic regression, random forests, and gradient boosting (XGBoost, LightGBM, CatBoost), and advanced deep learning frameworks (TensorFlow, Keras, PyTorch, Fastai). Integrated computer vision with OpenCV for image data, and specialized healthcare tools like DeepChem for drug discovery and MONAI for medical imaging. Utilized Django for backend services, React for frontend interfaces, and PostgreSQL for data storage. Deployed the solution on AWS, incorporating compliance with healthcare standards such as HIPAA.

EDUCATION

- Vellore Institute of Technology, Chennai**, B. Tech Computer Science and Engineering with spl. In AI & Robotics 2021 - 2025
Currently pursuing 7th semester, CGPA: 8.11
- Sagar Public School, Bhopal**, CBSE Class 12th Boards 2018 - 2020
CGPA: 8.29
- Sagar Public School, Bhopal**, CBSE Class 10th Boards 2012 - 2018
CGPA: 8.1

TECHNICAL SKILLS

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| Operating Systems | Ubuntu, Fedora, macOS, Raspbian OS, Windows 7, Windows 8, Windows 10 |
| Computer Languages | Python, C++, JavaScript |
| Tools and Technology | HTML, XML, CSS, LaTeX, Postman, Flask, Docker, Git, Machine Learning, Deep Learning, AWS |
| Database Management System | MySQL, MariaDB, Oracle Database, MongoDB |
| Simulation Software | MATLAB, Rstudio, LTSpice XVII, UiPath, Coppeliasim |
| Communication languages | English, Hindi, French |
| Soft Skills | Leadership, Communication, Team Player, Project Management, Cross-functional team Collaboration |