

KETAN SARDA

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EDUCATION

B.E. Computer Engineering (Hns. in Data Science), M.E.S College of Engineering, Pune 2018 - 2022
Grade: 8.92

EXPERIENCE

Software Engineer June 2022 - Current
Persistent Systems *Pune, MH*

- Worked on multiple Projects in Health Care & Life Sciences as a Full-Stack developer with expertise in Angular, React JS, Java & Python.
- Successfully completed a project where I was responsible for development, created services, API Integration. I used Protractor to accomplish Automation Testing.
- Worked on a project that utilized a monorepo architecture, implementing React JS, Stencil JS & web components to deliver a modular and reusable codebase for improved maintainability and productivity.
- Reduced API calls by 30% by updating existing models, services, and pipes in Front End resulting in responsive UI and Cost Savings.

Software Engineer Intern Jan 2022 - June 2022
Persistent Systems *Remote*

- Received recognition as the best performer in the Angular JS, demonstrating proficiency in the subject matter during the training.
- Successfully created a POC using Angular JS, which integrated with a live API to produce a responsive, dynamic, and interactive website that displayed charts and data visualizations. Received appreciation from the team lead for the quality of the code, attention to detail.

PROJECTS

Customer Service Central: Health Care Client

Services Central connects the lab to digital network of resources designed to help the customer manage service and gain a deeper understanding of their scientific instruments and medical devices.

It resulted in improved accessibility, remote troubleshooting, personalised support, documentation access and effective communication, team collaboration to the customer.

Stack: Angular, Java, SQL, Jenkins

LUNA: Life Sciences Client

The Luna Program aims to revolutionize business models by establishing a versatile instrument-to-data platform.

It enables rapid product deployment, encourages collaboration with third parties to explore new markets, and seamlessly integrates diverse business models. It involves strategically transitioning from disjointed software applications to a unified platform.

Development on seven full fledged applications and Components Library

Stack: Stencil JS, GIT, Azure, Internal UI component libraries

MVNO in a Box

Implemented a rapid solution for operator onboarding, ordering, branding, white-labelling, cataloging, AIML based recommendations & pricing, marketing.

Leveraged the latest accelerators and open source tools

Stack: Angular, Spring Boot, TMF compliant OpenAPIs, AWS EC2/S3/AIML/Gateway,

CI-CD automation Mongo Atlas

Smart Marketing through Product Recommendation based on NLP & Artificial Intelligence

Software application designed to efficiently recommend products using Deep Belief Network.

Key Features include usage of Bag of Words, TF-IDF, Cosine Similarity

Stack: Java, NetBeans, MySQL

Virtual File System

This project provides all functionality to the user which is same as Linux File system.

It provides necessary commands, system calls implementations of file system through customised shell.

In this project we implement all necessary data structures of file system like Incore Inode Table, File Table, UAREA, User File Descriptor table.

Stack: C++, Linux OS

Patient Risk Stratification

Admin dashboard which displays Patient's health status and showcasing the likelihood of developing certain medical conditions or health outcomes

Involved preprocessing of MIMIC Data, Calculatin Risk Score based on Chronic Conditions, ED Visits and then categorizing patients accordingly

Implemented multiple ML algorithms like SVD, KNN and Random Forests to formulate Survival Chances.

Stack: Angular, Flask, Python

SKILLS

Programming Languages	Java, Python, HTML & CSS, SQL, C++
Software Skills	Angular, React, SpringBoot, AI/ML, DBMS

AWARDS & ACHIEVEMENTS

- Bravo Individual Award: Topper for GEMS Batch
- SemiColons Hackathon: Best in Communication & Media Award and Final 8 Globally
- Bravo Teams Award : Performance & Active Participation