

MAYUR SHIVAKUMAR

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Education

California Polytechnic State University, San Luis Obispo

Master's in Computer Science (GPA: 4)

Sep 2022 – Jun 2024

San Luis Obispo, CA, USA

Visvesvaraya Technological University

Bachelor's in Computer Science Engineering (GPA: 3.69)

Aug 2016 – Jun 2020

Bangalore, KA, India

Experience

California Polytechnic State University, San Luis Obispo

Jan 2023 - Present

Web Engineer & Discovery Layer Coordinator

California, USA

- Revamped the Robert E. Kennedy Library website using Angular & WordPress, optimizing content and enhancing user experience
- Articulated complex technical data to stakeholders across the organization, ensuring project alignment and success

Epicor Software Corporation

Jan 2020 - Aug 2022

Software Engineer

Bangalore, India

- **Cloud Application Development:** Spearheaded the development of Kinetic ERP Cloud Application (SaaS), from ideation to launch; collaborated with cross-functional teams to deliver a product that achieved an increase in customer retention rate
- **Ecosystem Transition:** Implemented the ecosystem to move the Epicor ERP product suite from the Windows desktop to the web space
- **Toolset Innovation:** Engineered the Epicor Design Studio web application builder toolset, enabling clients to develop and customize apps without coding skills; the toolset reduced development time and cost for the clients
- **Component Design:** Developed and designed 25+ reusable, modular components for the Platform-UX Framework, increasing development efficiency
- **Runtime Engine Creation:** Built Epicor MetaFx, a web-client runtime engine that decodes JSON files and produces single-page web applications, speeding up the loading of data-intensive web pages to less than half a second
- **API Optimization:** Improved the effectiveness of EDD APIs, which cut the response time for REST requests by 50%
- **Performance Analysis Tool:** Constructed a Bullet Chart - Key Performance Indicator (KPI) for Epicor Data Discovery (EDD) product; enabled stakeholders to analyze performance indicators and report growth metrics resulting in a substantial reduction in customer support issues
- **Advanced Service Rendering:** Created services for EDD to render scales, axes, geometries, and animations across a single SVG surface using D3.js
- **Issue Resolution:** Resolved over 80 high-priority issues, adding to the product's quality and improving the user experience, at the time of release in the tenure of 45 days
- **Team Leadership:** Mentored a team of 5 associates to take on the project and enabled active contribution, adding value to the product as part of the mentorship program
- **Azure Maintenance:** Proficiently resolved and upheld Azure Build Pipelines, ensuring seamless functionality and contributing to enhanced workflow efficiency

Projects

fEMR | Java, MySQL, IntelliJ, Play Framework, Scala

Sep 2023 - Apr 2024 (Expected)

- Orchestrated the fEMR system's internationalization, translating the user interface and database architecture for multi-language support, enhancing global accessibility, and ensuring detailed progress tracking through Jira
- Pioneered database architecture enhancement by writing SQL scripts and Java code for the creation of new tables, contributing to the project's foundational structure for the anticipated international features

Food Genie | Kotlin, Firebase, Android Jetpack

Apr 2023 - Jun 2023

- Crafted a dynamic recipe recommendation mobile app using Kotlin, enabling users to maximize their pantry's potential
- Integrated Firebase for seamless user authentication, facilitating personalized experiences and consistent access across devices
- Adopted Android Jetpack and Jetpack Compose for a refined UI, ensuring intuitive navigation and an engaging user interface

Find My Major | MEAN Stack, Python, BERT, DistilBERT, KNN, MLP

Sep 2022 - Dec 2022

- Devised a web-based tool utilizing advanced NLP techniques to guide Cal Poly students in identifying optimal college majors based on course and program inclinations
- Harnessed BERT for contextual embeddings and multi-classifiers like KNN, MLP, and DistilBERT, achieving a peak accuracy of 0.74, thereby validating the system's effectiveness in providing tailored suggestions to users

Technical Skills

Programming Languages: Javascript, Python, Typescript, Java, C#, Kotlin, SQL

Frontend & UI Libraries : React, Angular, Redux

Frameworks: ASP.NET Core, Node.js, Express.js, Django, Flask

Databases: PostgreSQL, MongoDB, MS SQL Server, NoSQL

Cloud Services: AWS (Amazon Web Services), Azure (Microsoft Azure), Kubernetes

Tools: Docker, GIT, Postman