

# 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**

*Web Engineer & Discovery Layer Coordinator*

**Jan 2023 - Present**

*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**

*Product Developer*

**Jan 2020 - Aug 2022**

*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