Sai Kiran Kalyankar

📞 +1 313-263-8812 | kalyankarsai@gmail.com | 🔗 /sai-kiran-kalyankar | 🔗 /kalyankarsai | ▪️ Windows Dev | ☁️ Android Dev | 🌐 Full Stack Dev
📍 4500 Cass Ave, UT Apt 806, Detroit, MI 48201, USA

EDUCATION

Wayne State University	**Master's, Computer Science, AI Concentration** | Detroit, MI	*Aug.'22 - May'24*
Vardhaman College of Engineering	**B.Tech, Computer Science & Engineering** | Hyderabad, India	*Sep.'13 - Jun.'17*

EXPERIENCE

Software Engineer Intern | *May 2023 - Aug 2023* **Amrock - Rocket Companies** | *Detroit,MI*
- Full Stack Developer with Technocrats Platform Agile Team to migrate their monolith internal product(Atlas) to Cloud microservices using Azure and AWS
- Designed and implemented Angular frontend and C#/ASP.NET backend, leveraging CQRS Event- Driven architecture with Pub/Sub messaging model
- Developed APIs along with regular code reviews, ensuring high quality and adherence to 100% compliance with security coding standards
- Assisted the team in bug fixing, addressing feature requests, resolving security vulnerabilities, writing unit tests and integration tests for the code.

Analyst, Specialist, Application Development | *Feb 2022 - Aug 2022* **DBS Bank** | *Hyderabad*
- Java Full Stack developer, for Consumer Banking for Investment and Insurance Project - FinTech using React Frontend 20% and Spring Backend 80%, PCF.
- Senior Backend Developer as part of SAILOR team (C2E) worked on the Gamification Project(NavGames) using RESTful Microservices with Spring Boot.
- With ownership of Product development for Internet Banking and Mobile Banking users about financial planning and wealth management for Digibank.
- Collaborated with cross-functional teams, testing using GoMock, documented tech and design specifications, presented project proposals and progress updates to higher management, conducted code reviews, and mentored junior developers, with Successful Go-Live, increasing user engagement by 30%.

Technology Analyst | *April 2021 - Feb 2022* **Infosys - Client: Verizon** | *Hyderabad*
- JavaScript Full Stack developer as part of VZ Network Transparency ART(Service Assurance), Designed, developed, and maintained RESTful API endpoints.
- Led developing Micro-services including design and implementation of new products and features while also enhancing the existing product suite.
- Using an asynchronous distributed messaging and streaming platform(Apache Pulsar) for microservices with security standards having Gov. and GIS data.
- Using SAFe agile framework, collaborating with business and research teams in story grooming, reviewing story/acceptance criteria and Iteration planning
- Utilised AWS EKS, RDS(Postgres), React Frontend 20%, NestJS Backend 80%, Achieved a 95% incident resolution rate through dedicated service ownership

Engineer - Technology | *Dec 2017 - Apr 2021* **Virtusa - Client: Openreach - BT(British Telecom), Lloyds Banking Group** | *Hyderabad*
- Full Stack Java Developer, LAMP Stack Backend Developer using DevOps principles to add new functionality to LLUMS - Openreach's products.
- Developed application components in an Agile environment utilizing TDD to track E2E fiber build activity for SiteTracker (integrated with Salesforce) Squad, using Hadoop as a Service (HaaS) and configuring Workflow Orchestration.
- Participated in major project migration, developing data models, pages, migration scripts, and optimizing systems to boost app performance by 50%.
- Performed database, SQL tuning and optimization for MySQL and Postgres achieving 99% uptime and reducing response time by 15%.
- Automated uploaders, inventory flows using SharePoint Excel File IO and SMTP notifications, enhancing monitoring and reducing manual effort by 30%
- Developed scripts to automate daily, weekly, and monthly cronjobs, including report generation and real-time batch-feed processing using ETL and logs.
- Created Inventory Self Service Reports and billing reports using Spring JDBC and IBM MQ Messaging Queue, including configuration and administration.
- Involved in continuous enhancements using Frontend Angular 4, including functional & non-functional requirements and fixing of production issues.
- Delivered results in complex cross-functional teams, presented, collaborated, and added value through documentation, debugging, test support and RCA.
- Participated in peer code reviews, mentored other engineers, providing comments and suggestions.

SELECTED PROJECTS

Pictionary Detector AI App | PDF QA AI App | *Android, Web, Flutter, Gemini AI, RAG, Vertex AI*	JUNE'24
Detroit Auction Shippers | *ReactJS, Spring Boot, MySQL, Git, SPA, Bootstrap, SMTP, AWS, EC2, S3, RDS, Business and Architect Soln.*	NOV'23

- Created Full Stack Web App for an Auction Shipper Company in Detroit for Real-time use.
- Integrating GenAI using Spring AI, OpenAI, LLM

Text Spam Detection | *ML, SVM, Multinomial and Gaussian Naive Bayes, Logistic Regression, Random Forest, AdaBoost*	DEC'23

- Developed a machine learning model using exploratory analysis, and feature engineering, achieving high classification accuracy of 95%

Automatic Curation of Images | *Machine Learning, CUDA, cuDNN, Flask, Caffe, YOLO, OPENCV, Bootstrap, Python*	FEB-MAR'17

- To check if descriptions can match the image's contents and to validate images against their respective descriptions primarily to curate the hotel images of the website as per the user's preferences using object detection and scene classification as part of the internship at Teletext Holidays UK

TECHNICAL SKILLS

Languages: Java, TypeScript, Python, C#, C/C++, PHP, JavaScript, Ajax, jQuery, Kotlin, Groovy, GoLang, HTML, CSS, Sass, SQL, NoSQL, GraphQL, TEX
Frameworks: Angular, Spring-Boot, Hibernate, NestJS, TypeORM, .Net 7, NServiceBus, Jest, JUnit, Mockito, xUnit, Cypress, Node.js, FastAPI, Flask, Hadoop, Hive
DevOps and API Tools: Git, SVN, Docker, Kubernetes, Azure DevOps, AWS, PCF, Bash, Shell, GitLab, Bitbucket, Jenkins, Sonar, DAST, Swagger, Postman, Splunk
Tools: MySQL, MSSQL, OracleDB, Postgres, MongoDB, SQLite, Impala, oozie, Figma, VS Code, Visual Studio, Android Studio, PyCharm, IntelliJ, NetBeans, Eclipse
Libraries: React, Redux, handlebarsjs, pug, pandas, NumPy, Matplotlib, scikit-learn, CUDA, YOLO, NLP, NLTK, OpenCV, OpenGL, WebGL, ThreeJS, OpenAI
Other Skills: 3D Computer Vision and Graphics, Machine Learning, Mobile, Android, Windows App development, UNIX, Powershell, Salesforce

RESPONSIBILITIES

- **Graduate Research Assistant** with Prof. Dr. Nic DePaula in tasks related to LHEI and his research around Government Administration by applying Data Analytics using Twitter, Facebook Web Scraped Data and Full Stack Development at WSU. NOV'22-SEP'23
- **Student Assistant and Developer** for creating Full Stack Solutions(using ReactJS, FastAPI, MySql, Docker), Maintaining, and enhancing the Lipidomics Core Facility Department website for the School of Medicine at WSU. AUG'23-24
- **Lab Instructional Teaching Assistant** for Data Structures and Algorithms using C++, CSC 2200 Computer Science II at WSU, provided teaching, contributed to course assessment, mentoring, and grading support to 60 students. JAN-APR'23
- **College coordinator** and member of Department's organizing committee **CETA** (*Computer Engineer's Technical Association*) AUG'15-17
- **Organized** Web Designing Workshop cum event at *TECHNOLITES'15* -Vardhaman's annual techfest. SEP. 2015

AWARDS AND RECOGNITIONS CERTIFICATIONS

- **Amaze Recognition** | *Rocket Companies Hackweek Q2 - Jun'23* **CISSO**: Certified Information Systems Security Officer.
- **DBS TECH India Annual Award Top Engineering Team - SAILOR - C2E** | *DBS - Aug'22* **Salesforce** Platform Developer 1.
- **Appreciation and tribe recognition for the work in Agile SiteTracker squad** | *BT - Nov'20* **Microsoft** Technology Associate.
- **Certificate of Appreciation for exemplary performance & contribution to LLUMS team** | *Virtusa - Mar'19* **ServiceNow** Admin Training.
- **Client Appreciation with virtual client love badge** | *Virtusa - Dec'18* **SAFe 5** Agile Practitioner.
- **Best Outgoing Student** | *Department of CSE at Vardhaman College - Apr'17* DBS **SRE** Practitioner
- **Hackathon top shortlisting.** | *Microsoft Digital India*| *flydubai Air Travel-THub,IIIT-Hyd*| *ICICI Appathon*
- **Published unique projects as products with 10K+ downloads.** | *Google Play Store & Microsoft Store - Jun'16*