SURYA N

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Dynamic engineering professional with a proven ability to enhance project outcomes through strategic leadership and collaboration. Skilled in optimizing processes, managing cross-functional teams, and delivering high-quality applications on time and within budget. Committed to continuous development in emerging technologies with a focus on innovation and efficiency.

WORK EXPERIENCE

Lead Engineer   **Apr 2020 - Present**
Airtel Digital   **Bengaluru (Bangalore) Karnataka**

Implemented cost-effective solutions, achieving a 20% reduction in project expenses. Streamlined project workflows, enhancing overall efficiency by 25%. Led a team in delivering a complex engineering project, completing it on time and within budget constraints, resulting in a 15% increase in client satisfaction scores.,Acquired knowledge in TV app development and created a TV app for the project using Jetpack Compose, resulting in a 40% increase in user engagement metrics.,Mentored junior developers and peers, enhancing technical skills and increasing team productivity by 30%.

Software Engineer   **Mar 2018 - Apr 2020**
Datamatics Digital Limited   **Bengaluru**

Projects worked on include IDFC banking integration of cKYC, the music player Jayavelu, MTS ticketing with tracking, and the Spireon project, manages fleet information consisting of four apps that I maintain. I acquired end-to-end development knowledge in Android and NodeJS backend. I developed automated scripts to simplify common tasks and reduce manual effort. I developed REST APIs and implemented authentication protocols. I learned about Android architecture, Firebase, databases, Java, and Kotlin. I optimized logic and code using threads and a work pool. I collaborated with cross-functional teams, enhancing project success rates by 10%.

EDUCATION

Bachelor of Engineering in Computer Science Engineering   **Jul 2013 - Jun 2017**
Vidya Vikas Institute of Engineering and Technology

Specialization in Computer Science. Project on the "Intelligent Cart System" developed using Python and machine learning algorithms to provide personalized recommendations based on customers' past purchase data.

PROJECTS

Xsafe Tv

Designed and developed an Android TV application from the ground up using Jetpack Compose for surveillance systems, enabling live video feed processing, cloud playback, and account management. Optimized live feed processing, resulting in a 35% improvement in speed, ensuring smooth and reliable video playback across various Android TV models.

2G-4G classification

Python data science project utilizing an unsupervised learning model to classify user complaints as genuine 2G or 4G issues versus misclassified complaints. Implemented with Apache Spark and K-means clustering, the project achieved an 85% accuracy rate in classification and improved issue identification efficiency by 40%.

IDFC banking

Optimized the IDFC banking app for loan lead generation, incorporating cKYC checks to validate customer loan eligibility. This enhancement streamlined the loan approval process, resulting in a 30% increase in lead conversion rates and a 20% reduction in processing time.

Jayavelu Music player

Worked on the music player app that streams audio using local storage, supports an equalizer, audio joiner, and audio recorder, and features multiple player themes. This led to a 40% increase in user engagement and a 4.5-star average rating on app stores, contributing to a significant growth in the app's user base.

Metro Transit System (MTS)

Engineered and optimized the San Diego transit system for ticket management and transit tracking. This initiative led to a 25% reduction in ticket processing time and a 15% increase in on-time performance, significantly enhancing passenger experience and boosting operational efficiency.

Spireon

Worked on the fleet management system that tracks fleet information using sensors, monitors fleet locations, and prevents theft. This led to a 30% reduction in theft incidents and a 20% improvement in route optimization, enhancing overall fleet efficiency and operational effectiveness.

Xsafe

Developed a feature-rich Android application designed for surveillance camera systems. The app manages live video feeds, cloud-based playback, account subscription services, invoice generation, camera integration, and user management. Deployed to over 10,000 users, leading to a 30% increase in user engagement within the first 6 months. Implemented an intuitive subscription and invoicing system, contributing to a 25% increase in monthly revenue. Ensured robust security through end-to-end encryption and multi-factor authentication, achieving zero security breaches and compliance with industry standards.

Digitalization

Python data science project focused on unsupervised learning for digitizing bills. Utilized OCR for bill extraction and employed the K-means algorithm for bill validation. The project achieved a 90% accuracy in bill extraction and reduced manual validation time by 50%, streamlining the digitalization process.

SKILLS

Tech Skills: Android,Kotlin,Java,Python,NodeJS,Jetpack compose,Workmanager,Coroutine,LiveData,UI/UX Design,JSON,XML,SQLite,Room,Dagger,Hilt,Retrofit,MVVM,MVP,MVC,A/B Testing, Agile, Algorithms, Android SDK, Appium, Application, Application Development, CI, CI/CD, Cloud Infrastructure, Coroutines, Development Life Cycle, JUnit, Mobile Development, Mockito, Monitoring, Object Oriented, OOP, Open Source, Programming, SDK, Sonar, Testing, Google Play Store,Git, GitHub

Soft Skills: Collaborate, Communication, Communication Skills, Customer Success, Discovery, Docker, Infrastructure, Innovative,Market, Product, Product Management, Writing, Written,Assurance,Cross-functional,Task Delegation,Mentorship and Training, Project Lifecycle,Leadership

AWARDS

GEM by **Airtel Digital**
  Recipient of "GEM" for working on Xsafe App for team handling and ensuring the quality with consistency.
GEM by **Airtel Digital**
  Recipient of "GEM" for working on Xsafe App for complex ui creation and integration.
GEM by **Airtel Digital**
  Recipient of "GEM" for working on Xsafe App and handling the project with ease.
Star Award by **DDL**
  Recipient of "Star Award" for handling Music player App and completion of the project with best practices.
Best Team Award by **Techjini**
  Recipient of "Best Team Award" for handling the project with best practices and guidelines.
Budding Star Award by **DDL**
  Recipient of "Budding Star Award".

CERTIFICATIONS

DeepLearning.AI TensorFlow Developer
IBM Data Science
Data Science: Machine Learning and Deep Learning with Python
The Complete Node.js Developer Course (3rd Edition)
Embedded System and Robotics

LANGUAGES

English • Kannada • Tamil • Telugu • Hindi