

PROFESSIONAL SUMMARY

Results-driven *Software Engineer* proficient in designing, deploying, and validating innovative state-of-the-art ML models in collaboration with diverse software engineering teams. Strong ability to identify business problems and propose effective machine learning strategies towards working solutions. Seeking challenging roles in *Contributing & Managing Corporate AI/ML Products to drive Product Innovation and Efficiency*.

WORK EXPERIENCE

Technical Lead

Nov 2020 - Apr 2022

Johnson Controls, Qolsys Business Unit

Hyderabad

- Developed a cloud-based data pipeline using messaging protocols, non-relational databases, and real-time analytics for Home Automation/IoT, achieving 30% lower latency and improving real-time data processing efficiency.
- Collaborated with global cross-functional teams to drive design and feature implementation, ensuring seamless integration and alignment with project goals.
- Executed project implementation within an Agile framework, delivering 100% of target deliverables across sprint phases, ensuring timely and efficient outcomes.

Technologies Used: Apache Kafka, Apache Flink, Cassandra, Java 8, Spring Framework

Software Development Engineer

May 2019 - Nov 2020

Broadcom Inc, Symantec Business Unit

Bengaluru

- Designed and customized functional models using Java, C++, Servlets, and web technologies, enhancing system performance by 20% and reducing development time by 15%.
- Collaborated within a cross-functional Agile team to develop and enhance features for the Validation Identity Protection (VIP) Multi-Factor Authentication suite, improving security for global clients and supporting a user base of over 5 Lakhs.
- Developed and implemented features for the data synchronization module using LDAP protocol, enabling automated cloud syncs of user data in a Windows Server environment, improving synchronization efficiency by 20%.

Technologies Used: Java, C++, JSP, GoLang, LDAP, Windows Server 2008, GCP, Jenkins CI/CD

Software Engineer

Jun 2016 - Apr 2019

Netcracker Technology

Bengaluru

- Designed, developed, and optimized telecom billing and provisioning systems using Java and web technologies, improving operational efficiency by 30% and scalability to support growing telecom demands.
- Developed and deployed a telecom Order Entry solution leveraging microservices architecture and cloud-based technologies, enhancing system scalability and deployment efficiency.
- Engineered a high-performance SOA module for real-time synchronization of telecom user data, improving data accuracy and system responsiveness.

Technologies Used: Java, JSP, MySQL, Spring Framework, AWS, Docker, Kubernetes

PROJECTS

Optimizing Recommendation System in E-Commerce Applications:

Designed, Developed and deployed a scalable, end-to-end personalized recommendation system after extensive market research to study user behaviour & market dynamics using **Apache Kafka, Pandas, PyTorch, TensorFlow & AWS** to enhance user experience and drive sales for e-commerce platforms. Provided Real-Time Predictions to increase click ratio & boosted overall customer retention by significant range while making the Product Backlog align with Product Roadmap & Vision.

AI-Powered Home Loan EMI Optimization for Affordable Housing :

Spearheaded the development and deployment of an AI-driven solution to optimize home loan EMI (Equated Monthly Installments) structures, enabling affordable housing while aligning with regulatory frameworks & business constraints. Improved loan repayment rates, Reduced processing times for EMI adjustments using real-time optimization and automation tools. Used Loan Default Prediction, Personalized EMI Optimization Models based on **TensorFlow, XGBoost, SciKit-Learn** to achieve product objectives .

SKILLS

- Languages:** Java, J2EE, Spring Framework, SQL, Cassandra
- Web Technologies:** REST APIs, XML, JSON, Microservices Architecture
- Build & Deployment:** Maven, Jenkins CI/CD, Docker, Kubernetes, Git, Azure, GCP
- Machine Learning :** Statistical Methods in AI/ML, TensorFlow, PyTorch, Scikit-Learn, NLP, LLMs

EDUCATION

Bachelor of Technology in Electronics & Communication Engineering

June 2016

National Institute of Technology, Calicut

GPA: 7.9/10

- Coursework: Computer Networks, Data Structures & Algorithms, Intelligent Systems Design

LEADERSHIP ACTIVITIES

- Served as a Lead for various projects, overseeing end-to-end software development & gained expertise in Agile methodologies, virtual team management, cross-team collaboration and rapid problem-solving
- Led and coordinated technical events at collegiate and corporate levels, developing key non-technical skills in large-scale project management, team collaboration & synchronization
- Designed and Led the team towards successful Prototype and MVP Building in Stealth Mode Ed-Tech startup. Leveraged Grant Writing, Networking and Strategic Communication skills to raise funding.

CERTIFICATIONS

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| • Executive Program in Product Management (Emeritus, ISB) | May 2022 |
| – Skills: Product Roadmap, Market Research, Planning and Implementation, SWOT Analysis, A/B Testing | |
| • Project Management Professional (PMP) Training (Simplilearn) | Dec 2021 |
| – Skills: PMBOK, Stakeholder Management, Risk Assessment, Effective Communication | |