FNU Anuja

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SUMMARY

A passionate software engineer crafting scalable solutions and turning complex problems into elegant with 2+ years of experience skilled in full-stack development (Java, Spring Boot, ReactJS, Flask), cloud platforms, and database optimization. Proven track record of leading projects in scalable system design, API development, and predictive analytics to improve efficiency and decision-making.

EDUCATION

MS, Software Engineering **May 2025**
University of Texas at Dallas, USA
Electronics & Communication Engineering (Bachelors) **August 2021**
Visvesvaraya Technological University, India

PROFESSIONAL EXPERIENCE

Software Engineer, ACCENTURE, INDIA **August 2021 – July 2023**

- Collaborated with cross-disciplinary teams to develop and deploy scalable data solutions, improving system efficiency by 30% and ensuring seamless integration across platforms.
- Developed and maintained enterprise-level applications using Java, Spring Boot, and ReactJS, Scala resulting in improvement in system efficiency.
- Designed and implemented RESTful APIs, enabling seamless communication across distributed systems, and reducing latency.
- Optimized database queries using MongoDB and MySQL, improving data retrieval speed by 40%.
- Leveraged Agile methodologies within a Scrum-based environment, achieving a consistent on-time project delivery rate and enhancing team efficiency.
- Enhanced UI/UX with JSP/Servlets, leading to a 25% increase in user engagement.
- Conducted software design modeling and system architecture planning, reducing software defects by 30%.
- Developed data visualization dashboards in Tableau and Microsoft Excel, improving business decision-making speed and efficiency by 40%.
- Took charge of onboarding three new colleagues, successfully training them within a week to ensure a smooth transition into their roles.

Intern, TATA STEEL, INDIA **June 2019 – August 2019**

- Developed a dynamic and responsive portfolio website using ReactJS and JavaScript, improving site performance by **35%**.
- Integrated cloud services and third-party APIs to improve functionality, including dynamic content updating, improved performance, and better user interactions.

SKILLS

- Programming Languages: Python, Java, Kotlin, SQL, C++, Scala, JavaScript, Spring Boot, Flask.
- Web Development: Agular, React, Node.js, REST APIs
- Technologies and Tools: Tableau, Microsoft Excel, MySQL Workbench, GitHub, Git, VS Code, AWS, DevOps
- Databases: MySQL, MongoDB, PostgreSQL Data Pipelines.
- Software Development: Agile, SDLC, Software Architecture design, Requirement analysis, Use case description.
- Soft Skills: Communication, Teamwork, Problem solving.
- Certifications: Oracle Cloud Infrastructure 2023 Certified Foundations Associates, Salesforce Certified AI Associate, AWS APAC Solutions Architecture virtual experience program on Forage - March 2025

MAJOR PROJECTS:

Cargo Connect: Improving Airport Freight Flow (Team Lead) **May 2025**

- Led a 4-member team in engineering a real time freight routing system using Flask, PostgreSQL, and Google Maps API, reducing truck idle time by 40% in congested airport zones without requiring infrastructure changes.
- Built a Kotlin based Android app with Jetpack Compose to deliver dynamic route updates, cargo assignments, and authentication for truck drivers.
- Integrated 3 external systems (Google Maps, Laravel-based DALI mock, and Python-based Airport mock) via RESTful APIs to simulate and test 5+ logistics scenarios including accidents, parking delays, and docking failures.
- Designed a scalable, modular architecture with decoupled subsystems for scheduling, routing, authentication, and notifications enabling seamless mock integration and parallel team development.

Churn Prediction Model **December 2024**

- Designed a Decision Tree model that predicted Customer Churn with 69% accuracy in classifying high-risk customers.
- The model focused on key factors like contract type, internet service, and tenure that drive targeted retention strategies for the 31% of customers driving 63% of overall churn.
- Performed comprehensive analysis on telecom customers, pulling out key insights such as the high churn rate within Fiber Optic internet users at 42%. These insights helped to take actionable strategies to reduce the overall 27% churn rate.
  Technologies used: Python, R, Decision tree algorithm, Confusion metrics.