

FNU Anuja

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EDUCATION

MS, Software Engineering
University of Texas at Dallas, USA

August 2023 – May 2025

Electronics & Communication Engineering (Bachelors)
Visvesvaraya Technological University, India

August 2017 – August 2021

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, Android development.
- Web Development: Angular, React, Node.js, Express.js, REST APIs
- Technologies and Tools: Tableau, Microsoft Excel, MySQL Workbench, GitHub, Git, VS Code, AWS, DevOps
- Machine Learning & AI: Decision Trees, Predictive Modeling, Gen AI, Prompt Engineering
- Databases: MySQL, MongoDB, PostgreSQL Data Pipelines.
- Software Development: Agile, SDLC, Software Architecture design, Requirement analysis, Use case description.
- Soft Skills: Communication, Teamwork, Problem solving.

MAJOR PROJECTS:

Cargo Connect: Improving Airport Freight Flow (Team Lead)

January 2025 – 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

October 2024 – 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.

CERTIFICATIONS:

- Oracle Cloud Infrastructure 2023 Certified Foundations Associates
- Salesforce Certified AI Associate
- AWS APAC Solutions Architecture virtual experience program on Forage - March 2025