

BADRI SRI VAISHNAVI YELURI

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PROFESSIONAL EXPERIENCE

Bajaj Allianz General Insurance

Senior Application Engineer

Pune, India · Jul 2024 - Jul 2025

- Led end-to-end development and product management of the Asset Management Portal using Jira to track tasks and software development processes, optimizing workflows for 50K+ asset data points, reducing reporting time by 40% and improving decision accuracy for 200+ stakeholders.
- Integrated interactive dashboards and automated scripts to cut manual processing effort by 30%, improving overall data accuracy and operational reliability.
- Partnered with cross-functional teams in an Agile environment to define product specifications, manage requirements using Zoom Docs and Google Docs, and deploy scalable solutions, ensuring on-time, high-quality deliverables.

Executive Trainee

Pune, India · Jul 2023 - Jul 2024

- Designed and developed Phase 1 of the Asset Management Portal using ReactJS and RESTful APIs, enabling seamless asset lifecycle management and integrating third-party application APIs.
- Improved UI/UX workflows and created reusable templates for user guides in Google Docs, enhancing operational efficiency and scalability across 10+ departments.
- Earned the “Trainee of the Year 2024” award after building a predictive asset-tracking module that reduced reporting errors and streamlined tracking.

Intern

Pune, India · Mar 2023 - May 2023

- Developed a React Native interface for the I-Inspect motor insurance app, integrating REST APIs and Redux to streamline claims inspection, which cut the average inspection steps by 15% and improved user navigation.
- Reduced vehicle claims inspection time by 20%, enabling faster settlements for 10K+ customers annually.
- Collaborated with the claims and product teams to align the app’s functionality with business goals, ensuring seamless rollout and adoption.

ACADEMIC PROJECTS

Churn Data Prediction

- Developed predictive models in R (Logistic Regression, Random Forest, Decision Tree) on 7,000+ telecom records, reaching 80% accuracy.
- Documented exploratory analysis and feature engineering steps in Google Docs and shared summaries via Zoom Docs to align stakeholders on model decisions.

SWE Bench Patch Fixing with BM25 & Oracle Models

- Implemented a retrieval pipeline using BM25 to surface relevant code snippets and GitHub issues from SWE Bench, accelerating bug localization and context gathering.
- Integrated an oracle-style patch selection mechanism to evaluate and rank candidate fixes, improving patch success rates to 41% on valid results and highlighting failure patterns for future automation.

EDUCATION

Arizona State University

Master of Science, Computer Science

Aug 2025 - May 2027

Vishwakarma Institute Of Technology

Bachelor of Technology, Computer Engineering

Aug 2019 - May 2023

- **GPA:** 3.9 (WES)

SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, SQL, R, HTML, CSS
- **Frameworks & Libraries:** ReactJS, React Native, Next.js, REST APIs, TensorFlow, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Tableau
- **Tools and Methodologies:** Git, Agile/Scrum, Jira, Zoom Docs, Google Docs
- **Areas of Expertise:** Full-stack Development, Data Structures & Algorithms, System Design, Machine Learning, Product Management, Software Development Processes
- **Certifications:** Google Analytics (Coursera), Artificial Intelligence (Verzeo), Tableau A-Z: Hands-On Tableau Training for Data Science (Udemy)
- **Leadership & Activities:** Head of Branding & PR – EDC VIT Pune, Android Developer – TRF VIT Pune