

# Sreekala Pakki

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## EXPERIENCE

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### Deloitte

Hyderabad, Telangana

Software Development Engineer - Full Stack

06/2023 - Present

- Refined **.NET APIs** and optimized stored procedures to support key product features, achieving **25%** faster response times
- Integrated **Azure Service Bus** for reliable **asynchronous messaging**, improved system **scalability** and **fault tolerance**, to facilitate reduction in inter-service communication latency and enable processing of **5,000+** transactions per minute
- Performed **200+ unit tests** using **MSTest** and **Jasmine/Karma**, improving **code coverage** by **40%** and reducing production bugs
- Led development of a Project Management **platform** with full **CRUD support**, boosting admin efficiency by **30%** and enhancing cross-department collaboration
- Authored watermark addition/removal features for Office files (.xlsx, .ppt, .docx), **reducing manual effort** by **70%** and enabling secure handling of **1K+** documents monthly
- Developed interactive **Angular dashboards** integrated with **Tableau** to enable **real-time analytics**, improving decision-making speed by **25%** for internal stakeholders
- Designed and streamlined a management module that simplified the creation and tracking of **500+ bulk deals** per month
- Introduced **bulk upload** and export features that support Excel data entry, improving decision-making speed and operational efficiency
- Launched a responsive AI chatbot UI, leveraging Angular and scalable .NET APIs for enhanced user experience; the tool reduced average handling time by **20%**, positively impacting overall service delivery metrics
- Forged an interactive dataset viewer featuring custom column settings, advanced filtering, and paginated views, increasing data retrieval rates by **6x**
- Created an intelligent Chatbot panel to process user queries and update dataset views in real-time, enhancing **user experience** and reducing manual data lookup time by **50%**
- Architected a reusable chatbot **microservice** framework integrating across **9+** enterprise applications, supporting multi-dataset interactions, seamless **scalability** and rapid **domain-specific customization**
- Implemented an **event-driven mechanism** using queues to capture and display task deletion logs in real-time, boosting visibility and reducing debugging time; increased task audit traceability by **80%**

SDE Intern

02/2023 - 05/2023

- Integrated Static (**SAST**) and Dynamic (**DAST**) Application Security Testing tools into **CI/CD** pipelines, reducing security vulnerabilities by **60%** and enhancing overall code quality
- Resolved critical production level **bugs** across various applications
- Enhanced milestone cluster visualization in a legacy Angular timeline component by integrating **predefined color codes** from the **Node.js** backend; enabled intuitive color rendering to help clients quickly distinguish milestone statuses and improve timeline readability.

## EDUCATION

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### Malla Reddy Engineering College for women

Hyderabad, Telangana

Bachelor of Technology in IT

08/2019 - 05/2023

**Coursework:** Advanced Data Structures and Algorithms, DBMS, Object-Oriented Programming (OOP)

## PROJECTS

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### Student Academic Performance Prediction | Python, Machine Learning, Data Analysis

- Developed a **machine learning model** to predict student academic performance with an **88% accuracy**, leveraging techniques like regression analysis and classification.
- Performed strategic **feature engineering** to enhance model accuracy by identifying high-impact predictors such as attendance, internal assessments, and extracurricular participation.

### ATM Simulation System | Java, OOP

- Designed and implemented in **Java**, applying core **OOP principles**, resulting in a **modular** and **extensible system** with over **10+ functional operations**
- Integrated **exception handling** and **security features** (e.g., PIN validation, transaction logging) to ensure robustness and safeguard user data, improving system reliability and security

## TECHNICAL SKILLS

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**Languages:** .NET, .NET Core, ASP.NET, C, Java, Python, TypeScript, SQL

**Web Development:** ASP.NET, Angular, Node.js

**Databases:** MySQL, PostgreSQL

**Testing Frameworks:** MSTest

**DevOps:** CI/CD, Azure DevOps, Jenkins, Git