

Preethi Naroju

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Professional Summary

Business, data, and automation professional with 3+ years of experience turning ambiguous business problems into clear requirements, dashboards, and automated solutions. Skilled in requirements elicitation, stakeholder communication, and data analysis (SQL, Excel, Power BI) as well as building RPA and low-code applications (Blue Prism, UiPath, SAP Build Apps, Python). Consistently reduced manual effort by up to 90% and achieved 98%+ accuracy on ML-based data extraction in both analytical and development projects.

Education

University of Houston, C. T. Bauer College of Business M.S. in Management Information Systems	May 2026
Osmania University Bachelor of Engineering in Electronics & Communication	July 2021

Experience

Instructional Assistant , C. T. Bauer College of Business	September 2025 – Present
• Support 25+ student teams throughout the semester by guiding project planning, monitoring progress, and supporting preparation for final presentations.	
• Coordinate grading and academic assistance for 250+ students by reviewing coursework, cross-checking data in spreadsheets, meeting evaluation deadlines, and maintaining a 24-hour turnaround for student communications.	
IT Intern , Hilcorp Energy	Summer 2025
• Gathered requirements from business users, analyzed three SAP workflows, and designed a hybrid solution using SAP Build Apps and SAPUI5 to improve workflow stability, error handling, and maintainability.	
• Rebuilt legacy SAPUI5 processes in SAP Build Apps to automate and modernize business forms, reducing maintenance effort and improving deployment speed.	
• Implemented stronger validation, priority routing, and real-time user feedback to reduce failed submissions and improve data quality for downstream reporting.	
Packaged App Development Analyst , Accenture Solutions Pvt. Ltd.	August 2021 – July 2024
• Collaborated with business stakeholders to document requirements and deliver RPA solutions (Blue Prism, UiPath) for Excel, Email, Power BI, SAP, CSTAR, SharePoint, and JIRA, reducing manual effort by up to 90%.	
• Built automated processes in Blue Prism using process studio, object studio, work queues, and APIs from business rules; recognized by the client for JIRA automation that cut manual intervention by 60%.	
• Trained a machine learning model in UiPath for extraction patterns and automated data capture from emails, achieving 98% accuracy and eliminating manual data entry.	
• Played a key role in migrating automation from Airtable to JIRA for global teams at a large US investment management firm; supported end-to-end delivery using Agile and SDLC.	

Projects

Smart Expense Tracker	January 2026
• Designed and implemented a normalized relational schema (3 tables, foreign keys, cascading deletes, check constraints) with SQLAlchemy ORM and built a RESTful API (15+ endpoints) with CRUD, filtering, pagination, and sorting.	
• Developed a spending analytics engine using SQL aggregations for month-over-month trends, category breakdowns, and real-time budget alerts; integrated with the API to support dashboard consumption and stakeholder reporting.	
• Built a single-page dashboard with interactive charts and budget health indicators; wrote 25+ pytest test cases with fixture-based DB isolation for CRUD, validation, and edge cases.	

Skills & Certifications

Analysis: Requirements elicitation and documentation, process mapping, gap analysis, data analysis, reporting, UAT support

Data & Reporting: SQL, Excel (formulas, pivot tables), Power BI, data validation, trend analysis, dashboards

Development & Automation: Python, SQL, C, Java, HTML5, CSS3, RESTful APIs, SQLAlchemy ORM

RPA/Low-code: Blue Prism, UiPath, SAP Build Apps, SAPUI5

Tools: Jira, Microsoft Office, Power BI, .NET (C#, MVC), Confluence

Methodologies: Agile Development, DevOps, Software Development Life Cycle

Certifications: PL-900 (Power Platform), DP-900 (Azure Data), Foundation Artificial Intelligence, Automation Engineer Certification, Python, QCAD

Languages: Fluent in English, Hindi and Telugu