

Mani Sreekar Palakurthy

Software Development Engineer

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EDUCATION

- Arizona State University, Tempe** Arizona, United States
Master of Computer Science; CGPA: 4/4 Aug 2022 - May 2024
Main Courses: Foundations of Algorithms, Mobile Computing, Data Mining, Applications of Blockchain, Data Processing at Scale
- CVR College of Engineering, Hyderabad** Telangana, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.55/10 Aug 2017 - Jul 2021
Main Courses: Design and Algorithm Analysis, Operating Systems, Data Structures, Web Technologies, Software Engineering, DBMS

EXPERIENCE

- Arizona State University** Arizona, United States
Technology Consultant - Software Engineer - Enterprise Technology Dec 2022 - May 2024
- Revitalized a legacy JavaScript asset usage application by transitioning to **React** in an Agile Methodologies driven process, which led to 30% enhancement in scalability and performance.
 - Revamped** the codebase by designing and implementing reusable components, thereby improving efficiency and modularity of front end.
 - Engineered **scalable microservices** using **Spring Boot** for back end, enabling robust functionality for websites and laying the groundwork for seamless future integrations.
 - Established **CI/CD** Jenkins pipelines to facilitate seamless deployments in different environments, used blue-green deployment strategy resulting in reducing downtime by 40%.
 - Managed and played a key role in **system maintenance** and **code review**, reducing production issues by 36%.

- Synchrony Financial** Hyderabad, India
Senior Analyst - True Name Acquisition Fraud Strategy Developer Jun 2021 - May 2022
- Implemented efficient **ETL** processes using **SQL** to extract data from different sources and transform the data into useful blocks for strategy building.
 - Designed strategies using **Decision Trees** to capture true name frauds, achieving a 20% reduction in such incidents for health and wellness clients, preventing nearly 50 incidents per client.
 - Prevented \$400,000 in losses through **data analysis** and fraud prevention strategies.
 - Identified patterns and trends to reduce customer queuing by approx 9% in different clients which enhanced customer experience.
 - Pioneered the **transition** from Excel to Tableau for portfolio monitoring **automation**, enhancing decision-making speed of product managers.

- Synchrony Financial** Hyderabad, India
Software Analytics Intern - Collections Business Intelligence Oct 2020 - May 2021
- Built **Tableau** dashboards and improvised **SQL** data processing methods, increasing efficiency by 27%.
 - Developed a **Full-Stack** website for efficient Tableau dashboards management, which resulted increase in productivity.

SKILLS SUMMARY

- Programming:** JAVA, C, Python, SQL, SAS
- Frontend Technologies:** React, Redux, HTML5, CSS3, Bootstrap, Tailwind CSS, TypeScript, JavaScript
- Backend Technologies:** Node.js, Next.js, Express.js, Spring Boot, Maven, Hibernate ORM, Apache Tomcat, REST API
- Databases:** MySQL, PostgreSQL, Oracle, MongoDB (NoSQL)
- Tools:** GIT, Android Studio, JIRA, AWS EC2, Tableau, Eclipse, Jenkins, Docker, Visual Studio, Postman, Office 365, Excel

PROJECTS

'I-Split': A Web Application for Splitting Invoice Items (Mar 2024 - Present):

"I-Split," A web application designed that simplified the process of dividing invoice items among group members, offering a seamless experience for item selection and precise determination of each member's share of the total cost.

Technology Stack - Next.js, Tailwind CSS, PostgreSQL Database

'ProShop': eCommerce Platform Development (Nov 2023 - Mar 2024):

A eCommerce platform built focusing on a seamless shopping experience. Developed features like a full-featured shopping cart, product reviews, search, and admin management tools for products and orders. Integrated secure payment.

Technology Stack - MERN, Redux Toolkit, Heroku

CERTIFICATIONS

- Secured Intermediate Coder Certificate by HackerRank [!\[\]\(693fcb3caaca16f960792dd4ef78f66d_img.jpg\)](#)
- Programming in Java & Python by NPTEL Certification
- Database Programming with SQL by ORACLE ACADEMY