

# Venkata Kartheek Pagolu

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## TECHNICAL SKILLS

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**Front-end Development:** React JS, JavaScript, TypeScript, Stencil JS, HTML, CSS, Tailwind

**Backend Development:** Node JS, Express JS, MongoDB, Mongoose

**State Management:** Redux Toolkit

**Build Tools:** Vite, Parcel

**Version Control:** Git, Bitbucket

**API Integration:** Axios

**Tools:** VS Code

**Testing Frameworks:** Playwright

## EXPERIENCE

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### ADP PRIVATE LIMITED

*Senior Member Technical*

**May 2022 – Present**

*Hyderabad, Telangana*

### PROJECT-1: FUND TRANSFER APPROVAL APPLICATION

#### Description:

An enterprise-grade, role-based fund transfer system designed to handle approvals and audit trails across various administrative levels including Admin, Super Admin, and Auditors. This project involved streamlining workflows and ensuring regulatory compliance in financial operations. The system emphasized security, responsiveness, and maintainability.

#### Roles and Responsibilities:

- Designed and developed a highly **responsive** role-based UI using React for admin, super admin, auditor, and other roles, with secure access powered by **SSO** using **MSAL.js**.
- Implemented **lazy loading** and **code splitting** to reduce initial bundle size, improving app performance and user experience.
- Optimized complex tables and multi-step form rendering by minimizing unnecessary state updates and DOM operations, significantly boosting responsiveness.

#### Tool Usage:

- Languages & Frameworks: JavaScript, TypeScript, React JS, Tailwind CSS
- State Management: Redux Toolkit
- Build Tools: Vite
- Others: Axios, Bitbucket, VS Code

### PROJECT-2: SMART COLLECT – GEN AI

#### Description:

Smart Collect is an AI-powered interface developed to automate and simplify data access for finance teams. It leverages Gen AI to allow conversational retrieval of client-specific financial details like invoices, payment statuses, and outstanding dues. The UI is designed as reusable micro frontends, deployable across multiple modules.

#### Roles and Responsibilities:

- Built reusable UI components using **Stencil.js** for integration with React-based systems.
- Designed and implemented an AI-powered chatbot interface to retrieve and display financial data efficiently.
- Ensured component scalability and reusability across multiple modules.

#### Tool Usage:

- Languages & Frameworks: JavaScript, Stencil JS, React.JS, Tailwind CSS
- Others: Axios, Bitbucket

## PROJECT-3: LEGACY CODEBASE MIGRATION

### Description:

- Modernization of a legacy Node.js and React application for improved performance, security, and maintainability using current technologies and best practices.

### Roles and Responsibilities:

- Migrated legacy Node.js application components to latest stack standards.
- Refactored UI components and optimized API integrations in React.
- Improved code quality and modularity for better maintainability.

### Tool Usage:

- Languages & Frameworks: JavaScript, React.JS, Tailwind CSS
- Tools: Git, Bitbucket, VS Code

## INNOFLEX - (ADP PRIVATE LIMITED)

Consultant – C

Nov 2021 – May 2022

Hyderabad, Telangana

## PROJECT-4: COLLECTION DASHBOARDS

### Description:

- Development of interactive financial dashboards for real-time monitoring of client collections, outstanding amounts, and payment statuses.

### Roles and Responsibilities:

- Developed dynamic React dashboards to display collections, past dues, and outstanding balances.
- Integrated REST APIs to fetch real-time financial data.
- Enabled effective decision-making with visual insights and performance metrics.

### Tool Usage:

- Languages & Frameworks: JavaScript, React JS
- Others: Axios, Redux Toolkit, VS Code

## PERSONAL PROJECTS

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### DEV-TINDER APPLICATION (Full-Stack Project)

- Built a Tinder-like developer networking platform using React.js, Node.js, Express.js, and MongoDB with Mongoose for schema modeling and data validation.
- Designed a secure authentication system with JWT-based access control.
- Managed global state with Redux Toolkit, handling real-time updates, and user data efficiently

## KEY ACHIEVEMENTS

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- **Gold Shining Star Award Winner** - Recognized for outstanding contributions in Smart Collect and Fund Transfer Approval Application.
- **Responsive UI Development** - Delivered a responsive UI for a Fund Transfer application used by 1,000+ users

## EDUCATION

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### Bachelor of Technology

DMSSVH College of Engineering & Technology - Mechanical Engineering

6/2017 – 9/2020

Machilipatnam

## CERTIFICATIONS

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- **React** (NamasteDev.com)
- **JavaScript** (NamasteDev.com)
- **NodeJS** (NamasteDev.com)