

Sandhya Chennodu

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with a strong foundation in Python, JavaScript, and AI tools such as NLP and OCR. Skilled in building intelligent, user-friendly applications using React, Flask, Node.js, and MongoDB. Experienced in deploying real-world applications with automated features and clean UI/UX, combining full-stack engineering with AI capabilities.

TECHNICAL SKILLS

Frontend: React.js, Tailwind CSS, HTML, CSS, JavaScript

Backend: Node.js, Express.js, Python, Flask

Database: MongoDB

AI/ML: NLP, pytesseract, Compromise.js

Dev Tools: Git, GitHub, Vite, Netlify, Render, Postman, VS Code

Docs/Presentation: Microsoft Word, PowerPoint, Canva, Google Docs

PROJECTS

Advanced To-Do List App with Smart Suggestions

- Built a full-stack app using React.js (frontend), Node.js + Express (backend), and MongoDB (database).
- Added NLP-based smart category suggestions using Compromise.js.
- Features include dark mode, task prioritization, and responsive design.
- Deployed frontend on Netlify and backend on Render.
- Live: <https://myadvancedtodoapp.netlify.app>
- GitHub: Frontend - github.com/chennoju18/AdvancedToDoApp-frontend | Backend - github.com/chennoju18/AdvancedToDoApp-backend

Invoice Scanner + Payment Tracker

- Developed a React + Flask full-stack app to extract invoice data using OCR and NLP.
- Parsed vendor, amount, and due dates using pytesseract and automated email reminders.
- Visual calendar UI and reminder logic built with MongoDB and SMTP.
- Live: <https://invoice-tracker-frontend.onrender.com>
- GitHub: github.com/chennoju18/invoice-tracker

Portfolio Website (In Progress)

- Built a responsive portfolio website using React, Vite, TailwindCSS, and React Router.
- Includes a dark/light theme toggle, multi-page layout (Projects, Skills, Resume, Contact), and smooth routing.
- Deployed via Netlify with links to GitHub projects and live demos.
- Live and GitHub links will be added upon final deployment.

EXPERIENCE

AI Intern — Parmy Technologies (2021)

- Built an AI system with TensorFlow and Flask that reduced processing time by 30%.
- Designed React dashboard for better data visualization (+40% efficiency).
- Improved NLP classification accuracy to 92%.
- Automated data pipelines and optimized CV models for real-time use.

EDUCATION

Master of Science in Computer Science — Wright State University, Dayton, OH (2025)

Bachelor of Technology in Electrical & Electronics — Sri Indu College of Engineering & Technology (2024)

CERTIFICATIONS

- IBM SkillsBuild: AI, Cybersecurity, Data Science, Cloud (planned)
- Microsoft Learn: Azure, Cloud, AI Fundamentals (planned)

INVOLVEMENTS

- Fundraising & Community Support: Led donation drives for underprivileged children.

- Tech Workshops & Hackathons: Participated in coding competitions, webinars, and AI research discussions.
- Volunteering: Supported homeless assistance programs by distributing essential supplies.