

CHANDRALEKHA POLEPALLE

LinkedIn: <https://www.linkedin.com/in/chandralekhapolepalle/> E-mail: chandralekhapolepalle@gmail.com

Phone: +1 647-640-9969

SKILLS

Programming Languages: Python, C, C++, ReactJS, VueJS, JavaScript, Java, CSS, BootStrap

Databases: SQL, MongoDB, PostgreSQL, DBeaver, SQL Server Management Studio, Azure Storage Explorer

Others: Flask, Django, Pandas, Numpy, Fast API, AWS, Azure, Docker, GIT, JIRA

EDUCATION

Post Graduate Diploma in Full Stack Software Development

May 2023 – December 2024

Lambton College – Toronto, Canada

Bachelor of Technology in Information and Communication Technology

July 2016 – May 2020

SASTRA University – Thanjavur, India

WORK EXPERIENCE

Full Stack Developer, Shift AI, Toronto

September 2024 – Present

- Built and optimized shiftfleet.ai, an AI-driven fleet management website, increasing organic traffic by 30% and user engagement by 40% through SEO best practices and analytics integration.
- Developed the Shift Fleet Management Customer App using React.js and Django, integrated with PostgreSQL, enabling real-time tracking and streamlined management for fleet users.
- Enhanced the Appraiser Form tool with real-time data synchronization using Vue.js, Flask, and MongoDB, reducing manual errors by 35% and enabling dynamic print previews with Puppeteer.
- Implemented a CI/CD pipeline for automated deployments to Heroku and database scaling with AWS RDS, improving development efficiency and system reliability.
- Streamlined data collection for marketing campaigns using Python, integrating website forms with HubSpot CRM to automate email notifications and reduce manual work.

Full Stack Developer, Little Blessings Studio, Toronto

December 2023 – September 2024

- Developed a React-based client interaction platform with Azure Blob Storage, improving efficiency and streamlining image delivery for clients.
- Automated photo organization workflows using Python scripts, reducing processing time from hours to minutes and boosting editor productivity.
- Designed a scalable web application, integrating robust cloud storage solutions for efficient handling of high-resolution media.

Full Stack Developer, Decision Point

January 2022 – May 2023

- Developed a custom Planogram tool using a Flask-based REST API with SQLAlchemy ORM and a React frontend to optimize product placement for an FMCG client, resulting in a 25% sales increase.
- Implemented Azure Active Directory-based OAuth 2.0 authentication for the Planogram tool to enhance secure data transfer and to reduce potential attack vectors.
- Utilized Azure App Service, Blob Storage, Storage Explorer, Active Directory, SQL Server, and Azure DevOps to deploy and maintain the tool and its database.
- Applied binary search algorithm and vectorization for data retrieval and business calculation process in the tool which reduced the retrieval time by 40%.
- Developed a price optimization tool by utilizing Pandas for efficient data processing and AWS Lambda for serverless calculations, enhancing system performance and scalability.
- Created a Cookie cutter template for the Price Optimization tool using Python to ensure code reusability which reduced development effort by 50%.

Associate Developer, IBM/Kyndryl

September 2020 – December 2021

- Developed an optimized onboarding portal for clients which reduced the onboarding time by 25%.
- Built a scalable backend architecture using Python, Django, and SQL that supports high concurrency.
- Utilized VMware vCenter to deploy and decommission over 100 servers.