

Prahas Pattem

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EDUCATION

Purdue University

West Lafayette, Indiana

Bachelor of Science in Computer Science, Minor in Mathematics. GPA: 3.51/4.00; Dean's List Expected Dec 2023

Coursework: Data Structures and Algorithms, Software Engineering, Analysis of Algorithms, Web Application

Development, Operating Systems, Problem Solving and Object-Oriented Programming, Linear Algebra

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, JavaScript, Rust, SQL

Technologies: React, FastAPI, Docker, Kubernetes, Node.js

EXPERIENCE

Software Engineer Intern

Bengaluru, India

Verloop.io

May 2022 – Aug 2022

- Developed an application that integrated with a multilingual Chatbot to facilitate compatibility between Instagram, WhatsApp, and Messenger for customer support.
- Automated work for ~30% of the employees by implementing REST APIs using Facade Patterns and optimized the response time for APIs.
- Built and deployed a backend server using FastAPI that serves to a frontend designed with React and TypeScript.

Research and Development Intern

Rolling Meadows, Illinois

AVS Consultants Inc

Aug 2021 – Dec 2021

- Conducted user group reviews and technology roadmap plannings to establish baselines against benchmarking for *SAT Daily* application.
- Collaborated on building design docs with UML tools that incorporated the findings of technical discussions.
- Mitigated technical risks by prototyping and PoC.

Software Engineer Intern

Bengaluru, India

L2M Rail

May 2021 – Aug 2021

- Built a cloud server using Digital Twin technology to process live data from edge servers to evaluate point machine operations, thereby gaining a 50% reduction in human force and a 40% improvement in operational efficiency.
- Employed MQTT and Kafka to exchange messages between the edge server and the cloud server.
- Generated microservices and REST APIs in Java, orchestrated using Kubernetes and Docker, and used MongoDB for storing data.

PROJECTS

Gambid | 🐙

Auction System | React, Django, Docker, Kubernetes, PostgreSQL, Redux, Git, GCP

Dec 2022 - Current

- Develop a full stack application where users can either buy or sell items through bidding in an auction house and marketplace.
- Create a Docker image and deploy it in a Kubernetes cluster on GCP, use React for the frontend, Django for the backend, and PostgreSQL as the database.

Enjoyagoals | 🐙

Gamify Productivity | React, Node.js, Express, Docker, MongoDB, Redux, Git, Azure

Aug 2022 - Nov 2022

- Implemented a social media application as a full stack developer that helps either an individual or a team to accomplish their goals using Gamification.
- Utilized the MERN stack where the frontend was designed using React, used cloud services from Azure, employed Node and Express for the backend, and persisted data storage using MongoDB.

Avocado | 🐙 📄

Food Delivery | Python, JavaScript, HTML, CSS, MySQL, Git, AWS

Feb 2022 - May 2022

- Designed a full stack food delivery application that allows customers to order food from local restaurants.
- Used Lambda Functions in Python, S3, and API Gateway from AWS for the backend, saved data to a MySQL database, and completed frontend in vanilla JavaScript, HTML, and CSS.