

Prahas Patterm

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EDUCATION

Purdue University

West Lafayette, Indiana

Bachelor of Science in Computer Science, Minor in Mathematics; GPA - 3.51/4.00

Expected Dec 2023

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Analysis of Algorithms, Web Application Development, Problem Solving and Object-Oriented Programming, Systems Programming, Foundations of Computer Science, Linear Algebra, Multivariate Calculus

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS, SQL

Technologies: React, Flask, FastAPI, Kubernetes, Docker

EXPERIENCE

Software Engineering Intern

Bengaluru, India

Verloop.io

May 2022 – Aug 2022

- Developed an in-house application that enabled a multilingual Chatbot to communicate with users on Instagram, WhatsApp, and Messenger regarding customer support.
- Automated multiple hours of manual work for ~30% of the employees by implementing REST interfaces and redesigning APIs with Facade patterns.
- Built and deployed a server in the backend using FastAPI and connected it to the frontend that was designed using Angular and TypeScript.

Software Engineering and Research Intern

Rolling Meadows, Illinois

AVS Consultants Inc

Aug 2021 – Dec 2021

- Integrated the findings of Google Analytics to expedite the marketing capability of in-house applications
- Led a team of high school meetings to build a basic project and taught the basics of web development to a team of high school students
- Prepared user groups, conducted technology roadmap planning and established baselines against benchmarking for regular IT Seminars and Conferences

Software Engineering Intern

Bengaluru, India

L2M Rail

Jun 2020 – Aug 2020

- Worked on Cyber-Physical Systems which are capable of transforming the railway industry across the world
- Operated on next-generation completely wireless cloud-based signaling solution, which is a combination of IoT based Track Occupation Information System (ITOIS) and Wireless Operation of Point Machine (WOPM)
- Lead to the filing of a patent in the field of cyber signaling and train traffic control

PROJECTS

NoteMate | 🐙 📄

Notes Sharing Social Media Application | React, Redux, Node, Express, MongoDB, Git, AWS

Jul 2022 - Sep 2022

- Developed a full stack MERN social media application where university students can collaborate on assignments and share their notes for a class.
- Built a web application that utilizes OAuth and the Spotify API for visualizing personalized Spotify data and creating new playlists of recommended tracks.

Spotify | 🐙 📄

Spotify Visualizer Application | React, Kubernetes, Docker, Three.js, Node, Express, Git, GCP

Jul 2022 - Aug 2022

- Built a web application that utilizes OAuth and the Spotify API for visualizing personalized Spotify data and creating new playlists of recommended tracks.
- Built a web application that utilizes OAuth and the Spotify API for visualizing personalized Spotify data and creating new playlists of recommended tracks.

Avocado | 🐙 📄

Food Delivery Application | 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.
- Utilized Lambda, S3, and API Gateway from AWS in Python for the backend, synced application to a MySQL database to store data, and completed frontend in JavaScript with HTML/CSS.