

Prateek Krishna

+91 8210371121 ✉ prateekkrishna09@gmail.com 🐙 Github 🌐 LinkedIn

EDUCATION

Birla Institute Of Technology, Mesra

Bachelor of Technology in Computer Science

June 2021 – May 2025

Current CGPA: 8.75

SKILLS

Languages: C/C++, Python, Golang, Java, SQL, JavaScript

Web Development: SpringBoot, MongoDB, ExpressJS, ReactJS, NodeJs, APIs, HTML/CSS

Developer Tools: Git, Github, Postman, Docker, Kubernetes(K8s), AWS, Apache airflow

Coursework: Operating Systems, Data Structures and Algorithms, Object-oriented programming, DBMS

EXPERIENCE

Texas Instruments | Software Developer

July 2025 – present

Tech stack: Java, Spring-boot, Reactjs OracleDB, Mybatis

Banglore, India

- Developed a workflow designer that allows the creation and management of demand signal workflows using selectors, operations and conditions via React Flow.
- Assumed technical ownership of multiple core modules within the Demand Signal Manager (DSM) application, developing and maintaining features in close collaboration with the Supply Chain team.
- Integrated backend data flows using Apache Airflow for triggering the execution of data generation pipelines in Python, responsible for managing global demand signals for billions of chips and making key business decisions.

Texas Instruments | Software Developer Intern

January 2025 – July 2025

Tech stack: Java, Spring-boot, Reactjs OracleDB, Hibernate

Banglore, India

- Designed and implemented an approval workflow and its audit trail for a critical enterprise application.
- Enhanced the build escalation tool to escalate the manufacturing/testing of devices at TI fabrication sites.
- Worked on development of a generic framework to replace the legacy excel upload tool which was exclusive for PL/SQL developers.

Fleeter | SDE Intern

July 2024 – Nov 2024

Tech stack: AWS, Nextjs, Nodejs, MySQL

Remote

- Refactored application logic to support a business model shift from transactional to subscription-based pricing
- Optimized order fulfillment service and added new features like **order cancellation requests**.

PROJECTS

Dection | *NextJs, Solidity, EtherJS*

github | demo

- Built **100% decentralised** application that stores all data on **Ethereum blockchain** and uses Aadhar numbers for authentication.
- Developed **smart contract** that allows users to conduct elections, cast votes, and get results in a secure and transparent manner.

Notification System | *RabbitMQ, Redis, Postgres, ReactJS*

github

- Built a Go-based multi channel (sms, email, whatsapp) notification platform with a microservices architecture, integrating RabbitMQ for queuing, PostgreSQL for persistence, and Redis for API rate limiting.
- Developed a full-stack notification platform featuring a responsive React/Vite frontend and three distinct Go backend services to manage user preferences, handle API requests securely, and dispatch messages concurrently.

Pantheon 2023 | *NextJS, MongoDB, ThreeJS, Tailwind CSS*

github | demo

- Built and led the creation of the Pantheon'23 website, the largest college tech fest in Jharkhand, managing **3000+ user registrations and 500+ team registrations** with zero downtime.
- Implemented advanced security measures, including **OTP authentication** via **Nodemailer**, to ensure a secure and spam-free registration process.

ACHIEVEMENTS

- Awardee of a 50 % scholarship based on merit in M0-2022.
- 2nd Runner up Pantheon'23 - Largest Tech Fest of Jharkhand
- Winner of the 24-Hour Hackathon - Hatch From Scratch
- President - IEEE BIT Mesra: conducted multiple workshops and competition.