

Janmejay S Purohit

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Education

- Master of Science, Indiana University - Bloomington** Bloomington, IN, US 05/2024
• Major in Computer Science, GPA: 3.82/4.00
- Bachelor of Technology, Dayananda Sagar University** Bangalore, KA, India 05/2019
• Major in Computer Science and Engineering, GPA: 9.21/10.00

Experience

- Software Engineer II, Tesark Technologies** Bangalore, KA, India 09/2019 - 07/2022
• Spearheaded the design and development of multiple scalable enterprise-level software systems, contributing to a business with over \$2 million in annual revenue. Leveraged expertise in cutting-edge technologies, such as **ReactJS, NextJS, NodeJS, ExpressJS, MongoDB, Postgres, and AWS** to deliver innovative solutions.
• Led research and evaluation of new technologies and software development methodologies, creating software development plans and schedules, and optimising workflows. Played a key role in developing robust and scalable solutions, project oriented decision making, workflow adaptations and client facing discussions.
• Developed a secure multi-layer token-based authentication system, enhancing real-time report generation and data analysis for 3rd party vendors.
- Software Engineer Intern, Box8** Bangalore, KA, India 01/2019 - 08/2019
• Orchestrated API integrations with **Ruby on Rails, Redis, Postgres** as the backend for a payment gateway system. Achieved an outstanding 93% success rate in settlements, supporting popular platforms such as Google Pay, Paytm, and PhonePe. This initiative propelled a remarkable 33% increase in end-user engagement metrics.

Projects

- Vydhya** 08/2022 - 12/2022
• Designed and developed a feature rich, responsive front-end for an engaging Patient Management System with **ReactJS** as part of my Software Engineering Course at IUB. Core features included user-friendly layouts, forms, visual elements and reports, as well as a reliable, responsive and easy to navigate application.
- DSU Digital Library** 08/2016 - 04/2019
• Contributed to front-end as well as back-end development of DSU Digital Library to host educational PDFs, Books, DVDs and linked various E-Learning resources to provide e-learning for students at the college library, developed with Python **Django** using **Bootstrap, HTML, CSS and Postgres** as the database.
- ICICC Website Development** 12/2018 - 05/2019
• Developed frontend and backend for an interactive infographic website for the ICICC International Conference held at Dayananda Sagar University on 7th & 8th July 2019, using **Vanilla JS, Bootstrap, HTML**.
- Smart Fish Tracking** 09/2017 - 03/2018
• Designed a niche fish movement detection software on **Matlab**, as a research project that detects whether a fish is pregnant or not based on the shape of the fish determined using background subtraction, linear regression and Kalman Filters. The objective being reduction of catching pregnant fishes during fishing.

Skills

- Frameworks: NodeJS, ReactJS, NextJS, ExpressJS, AngularJS, Ruby on Rails, Django
- Programming Languages: JavaScript, Python, Ruby, Java, C, C++
- Software Packages: Git, Heroku, AWS - S3, EC2, RDS
- Databases: PostgreSQL, MongoDB, Redis, MySQL

Activities

- Teaching Assistant for course: Intro to Software Systems - [IU C212](#) 01/2024 - Present
- Part-time Operations Supervisor - [IU Event Services](#) 08/2022 - Present
- Part-time Access Assistant - [IU Accessible Educational Services](#) 02/2023 - Present
- JLPT N3 Japanese Proficiency 02/2020
- Ex CSI-DSU Vice President 08/2015 - 04/2019