# Janmejay S Purohit

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## Experience

**Software Engineer**    **Tesark Technologies**    *Bangalore, KA, India*    **09/2019 - 06/2022**
- Led the design and development of multiple scalable enterprise-level software systems and applications related to E-Commerce, driving a business with over $2 million in revenue every year using cutting-edge tech including **ReactJS, NextJS, NodeJS, ExpressJS, MongoDB, Postgres and AWS.**
- Executed research and evaluation of new technologies and software development methodologies, creating software development plans and schedules, leading software engineering teams 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 exposed to 3rd party vendors with various features for real-time report generation, data analysis and data warehousing.

**Software Engineer Intern**    **Box8**    *Bangalore, KA, India*    **01/2019 - 08/2019**
- Extensively worked on API integrations with **Ruby on Rails, Redis, Postgres** as the backend, orchestrating a full-fledged payment gateway system with 93% successful settlement supporting Google Pay, Paytm and PhonePe which boosted the end user engagement metric by 33%.

## Education

**Master of Science**    **Indiana University**    *Bloomington, IN, US*    **05/2024**
- Major in Computer Science    GPA 3.73/4.00

**Bachelor of Technology**    **Dayananda Sagar University**    *Bangalore, KA, India*    **05/2019**
- Major in Computer Science and Engineering    GPA 9.21/10.00

## Projects

**Vydhya -Link**    **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 -Link**    **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

- 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**