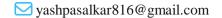
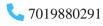
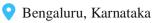
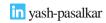
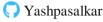
# Yash Pasalkar











## WORK EXPERIENCE

# SonyTech

Web Developer Intern Nov 2024 - Jan 2025

- Developed a responsive web application using React is and Tailwind CSS, improving user engagement.
- Implement a RESTful API using Node.js and Express, ensuring seamless data flow between the frontend and backend.
- Optimized database queries in MongoDB, reducing query response time by 20%.
- Participated in code reviews and followed Agile Methodologies, improving code quality and development efficiency.

## **EDUCATION**

# Visvesvaraya Technological University

Master of Computer Applications (MCA) – 71%

Nov 2023 - Aug 2025

# JSS Shri Manjunathesware Institute of UG & PG

Bachelor of Computer Applications (BCA) – 70%

Aug 2020 - Aug 2023

#### **PROJECTS**

# Bank transaction data analysis fraud detection

Jan 2025 - Feb 2025

- Developed a Fraud Detection System for banking transactions using Python and Machine Learning.
- Utilized Random Forest for fraud detection, analyzing transaction data to identify fraudulent activities.
- Integrated SQLite for secure data storage, handling user credentials, and transaction history.
- Enhanced system efficiency by detecting anomalies in transaction patterns and improving fraud detection accuracy.

# **Inventory Management Web Application**

Jun 2023 - July 2023

- Developed an Inventory Management Web Application using the MERN stack (MongoDB, Express.js, React, Node.js).
- Implemented user authentication and role-based access control for secure login and access management.
- Enabled **real-time inventory tracking**, allowing users to add, update, and delete products efficiently.
- Integrated features for product categorization, stock management, and price tracking.

#### AI Educational Tutor with Voice Command

Jun 2025 - Aug 2025

- Developed an AI-Powered educational tutor enabling voice-based interaction for an engaging learning experience.
- Implemented natural language processing (NLP) to interpret student queries and deliver accurate responses.
- Utilized Python, NLP frameworks, Dialogflow/OpenAI API, and machine learning models for system development.
- Developed a progress tracking system to monitor learner performance and recommend specific exercises or revisions.

#### **SKILLS**

- Languages: C, C++, Java, Python, JavaScript, TypeScript
- Framework: Spring (Spring Boot, Spring MVC, Spring Security), Hibernate, JPA, ReactJS, NodeJS, Django
- Databases: MySQL, PostgreSQL, MongoDB.
- Cloud: AWS (EC2, S3, CloudFront)
- API Development: RESTful APIs, JSON, XML
- Version Control: Git, GitHub