

Tanmay Jaiswal

Bengaluru, India · +91-8874475817 · tanmayjaiswal31102003@gmail.com
[LinkedIn](#) · [GitHub](#) · [Portfolio](#)

Professional Experience

Yubi (CredAvenue)

Jun 2024 – Present

Software Engineer — Ruby on Rails, gRPC, Kafka, PostgreSQL, Temporal

- Engineered gRPC microservices with Protocol Buffers, reducing API latency by 30% vs REST
- Built event-driven systems using Kafka, migrating batch processing to real-time workflows
- Developed low-code framework, accelerating client onboarding by 40%
- Built a validation pipeline that parsed Excel API schemas to verify field requirements and mapping integrity, increasing data accuracy by 85%
- Optimized PostgreSQL with indexing and query tuning, cutting report generation time by 85%

Yubi (CredAvenue)

Mar 2024 – May 2024

Software Engineer Intern — Ruby on Rails, React, PostgreSQL, REST APIs

- Built React-based onboarding UI with Ruby on Rails backend
 - Optimized database performance with strategic indexing, achieving 60% faster queries
 - Developed RESTful APIs for customer support, reducing ticket resolution time by 50%
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Technical Skills

Languages: Java, Python, JavaScript (Node.js), Ruby, SQL (Postgres/MySQL)

Backend Frameworks: Spring Boot, Ruby on Rails, Express.js, Django

Frontend & UI: React.js, HTML5, CSS3, Tailwind CSS

Architecture & Patterns: Microservices, gRPC (Protocol Buffers), Event-Driven Design (Kafka), RESTful APIs, MVC

Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis

Developer Tools: Temporal, Git, Docker, Jenkins (CI/CD workflows), Postman, Swagger

Observability & Monitoring: Grafana, New Relic, AWS CloudWatch, Datadog

Cloud Services: AWS (EC2, S3, SQS, SNS)

Education

SRM Institute of Science and Technology

Aug 2020 – May 2024

B.Tech in Computer Science and Engineering — CGPA: 9.46 / 10

Projects

Shopin Cart

MERN Stack, Razorpay

GitHub: <https://github.com/sequelize-tj/shopin-cart>

- Full-stack e-commerce app with cart, checkout, and Razorpay payment integration
- Developed a secure, responsive dashboard for order and profile management using JWT authentication

AgroLysis

Python, TensorFlow, Flask, SQLite

GitHub: <https://github.com/sequelize-tj/AgroLysis>

- Developed a Flask web application featuring three ML models for agricultural predictions: disease detection, crop recommendation, and fertilizer suggestion
- Developed a Flask backend with a REST API to serve the TensorFlow model, handling image upload and prediction requests
- Implemented model persistence using Python's pickle module and integrated a SQLite database with SQLAlchemy
- Achieved a prediction accuracy of over 92% with the custom-trained multi-class classification model