Tanmay Jaiswal

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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%

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/sequel-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/sequel-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