SANTHOSH S

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PROFESSIONAL SUMMARY

Full-stack Machine Learning Engineer with expertise in building enterprise applications using React.js, Angular, FastAPI, orchestrating data pipelines processing 1M+ records with Databricks Spark, and implementing CI/CD automation with Docker and GitHub Actions.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL
Frontend: React.js, Angular, React Native, Expo, HTML, CSS, Tailwind, Chakra UI
Backend: Node.js, FastAPI, Express.js, RESTful API, GraphQL, Microservices
Database: MongoDB, SQL, NoSQL
Data Engineering: Apache Airflow, Databricks Spark, ETL Pipeline
DevOps: Docker, GitHub Actions, CI/CD, Git, Linux
Specialized: Generative AI, MCP Integration, RBAC, Design Patterns, Multilingual Systems

PROFESSIONAL EXPERIENCE

Tiger Analytics — *Analyst Machine Learning Engineer*   October 2024 – Present
- Engineered 3+ enterprise full-stack applications using React.js and Angular, reducing load times by 35%
- Designed RESTful APIs with FastAPI delivering scalable backend services for data-driven workflows
- Orchestrated Databricks Spark pipelines processing 1M+ records, cutting ETL time by 30%
- Configured Docker-based GitHub Actions for streamlined CI/CD across multiple environments
- Implemented RBAC modules enhancing access security and auditability
- Developed multilingual support enabling application access in 20+ languages

Strackit Private Limited — *Frontend Developer Intern*   June 2023 – December 2023
- Created 30+ reusable React components with Tailwind CSS enhancing UI consistency
- Enhanced API efficiency using React Query and GraphQL resolvers, reducing latency by 25%
- Collaborated with backend engineers refining schemas, eliminating redundant calls by 20%

PROJECTS

Brazilian E-commerce Data ETL Pipeline — Python, Databricks Spark, GitHub Actions, CI/CD
Repository: github.com/Santhosh1933/brazilian-data-etl-pipeline
- Developed automated ETL pipeline for Brazilian e-commerce data using Databricks Spark with medallion architecture (Bronze, Silver, Gold layers)
- Implemented CI/CD workflow with GitHub Actions automating Databricks job deployment
- Built Python wheel package with modular architecture for scalable data transformation
- Configured secure secrets management using GitHub Secrets for Databricks authentication
- Automated job triggering and deployment ensuring consistency across production environments

AI Quiz Generator — React.js, Node.js, MongoDB, Tailwind CSS, React Query, Vercel
Live: ai-powered-app.vercel.app
- Engineered AI-powered platform leveraging Gemini API producing quizzes with 95% topic relevance
- Improved responsiveness with React Query caching minimizing fetch time
- Integrated Clerk Authentication for secure session management supporting 50+ users
- Crafted responsive UI boosting mobile engagement by 25%
- Automated deployment using GitHub Actions for seamless rollouts
- Implemented CSV export and interactive data visualizations

EDUCATION

K S Rangasamy College of Technology — *Bachelor of Engineering, Computer Science*   2020 – 2024
Tiruchengode, Tamil Nadu

LEADERSHIP & CERTIFICATION

National Cadet Corps (NCC)   2020 – 2023
- Earned 'C' Certificate with 'A' Grade demonstrating leadership, discipline, and teamwork