# PranavChendur

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## Summary

Senior Lead Data Scientist and Technical Lead at KONE's 24/7 Intelligence team, delivering predictive-maintenance solutions built on streaming telemetry and scalable lakehouse platforms. Experienced leading cross-site teams (Finland & India) and owning systems end-to-end—from model development and data pipelines to production rollout, CI/CD, monitoring, and ISO27001 compliance.

## Skills

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|---|---|
| **Machine Learning** | Predictive maintenance; anomaly detection; time-series analytics; computer vision |
| **Data Engineering** | Spark (Scala & PySpark; Batch, Structured Streaming, Real-time), Flink, Delta Lake, Databricks; SQL; DBT |
| **Cloud & DevOps** | AWS Amazon Web Services, Microsoft Azure, GCP Google Cloud Platform; Docker, Kubernetes; CI/CD (GitLab, GitHub, Azure DevOps, Jenkins); IaC (Terraform, CDK, CloudFormation) |
| **Software & IoT** | API development; Node.js/TypeScript, Python, PHP; PostgreSQL/MySQL, MongoDB, DynamoDB; MQTT, LoRaWAN, Node-RED, Grafana |

## Experience

**KONE Oyj** — Hyvinkää & Espoo, Finland
*Senior Lead Data Scientist | Technical Lead, 24/7 Intelligence Analytics* — Jan 2020 – Present
Progression: Senior Lead Data Scientist (Oct 2025–Present) | Lead Data Engineer (Sep 2024–Sep 2025) | Senior Data Engineer (Mar 2023–Aug 2024) | Data Engineer (Jul 2022–Mar 2023) | Data Scientist Specialist (Oct 2020–Jul 2022) | Junior Data Scientist Specialist (Jan 2020–Sep 2020)

- Led predictive-maintenance analytics for KONE 24/7 Connected Services; coordinated data science, ML, and data engineering across Finland and India, partnering with R&D, maintenance operations, and business stakeholders.
- Built and operated production streaming applications processing telemetry from globally distributed devices using Spark Structured Streaming (AWS EMR) and Apache Flink.
- Designed a streaming lakehouse on Delta Lake (AWS/Databricks) to support near real-time analytics, troubleshooting, and exploration.
- Owned platform engineering for analytics workloads: CI/CD, monitoring, infrastructure, and ISO27001 security/compliance readiness.

**KONE Oyj** — Hyvinkää, Finland
*Research Collaboration | Internship* — June 2017 – July 2017

## Entrepreneurship & Projects

**Kilobyte Tech Solutions** — India
*Founder — IT Solutions & Services* — 2013 – Present

- Delivered end-to-end web/mobile and cloud systems; built applied ML and computer-vision solutions including edge deployments (e.g., NVIDIA Jetson TX2) and cloud-based CV applications on AWS and Azure.

**CarbonPark** — India
*Founder — AgroTech & Industry 4.0 Solutions* — Apr 2019 – Present

- Developed IoT and sensing solutions (mesh networks, LoRaWAN gateways, MQTT/Node-RED pipelines) for field monitoring and industrial use cases.

## Education

**Vellore Institute of Technology (VIT) | Chennai Campus** — Chennai, India
*B.Tech. in Computer Science and Engineering (CGPA: 8.56/10)* — 2019

## Awards

- **KONE IBM India Hackathon 2017** — Winner (Technology): Built an end-to-end IoT and ML-based anomaly detection prototype (team of 3).
- **Start-up Weekend CEG 2019 (Chennai)** — Runner-up (Technology & Business): Built and pitched a startup offering cyber to physical handwritten greeting card delivery with a working prototype of the application in under 48 hours.