

KUNDAN KUMAR

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EDUCATION

RUTGERS UNIVERSITY

Master's in Electrical and Computer Engineering

New Brunswick, NJ
Sept 2025 - May 2027

Coursework: Deep Learning, Machine Vision, Software Engineering, Data Structures and Algorithms, Cloud Computing and Big-Data, High Performance Computing

SRM UNIVERSITY, KATTANKULATUR

Bachelor of Technology

Chennai, India
June 2018 – May 2022

Major in Electrical and Electronics Engineering

Cumulative GPA: 7.9/10

Coursework: Artificial Intelligence, Probability and Statistics, Mobile Application Development, Programming for Problem Solving, Management Principles, Principles of Objects Oriented Programming

SKILLS

Technical Skills: Advanced in Python, DBMS; Proficient in SQL, NOSQL, MATLAB, Linux, ETL process; Experience in Tableau, PowerBI, AWS, Terraform, Ansible and C++; Other packages/libraries: OpenCV, YOLO, FastAPI, pytesseract, pytsx3, NumPy, pytest, psycopg2-binary, Docker and Pandas

Languages: Fluent in English, Telugu, Tamil, Hindi

WORK EXPERIENCE

Bank of America

Chennai, India

Data Engineer I

Sept 2022 - Aug 2025

- ❖ Engineered IBM Optim Archive solutions to manage very enormous historical data, reducing primary database storage costs while maintaining regulatory compliance for the data archival and life cycle management.
- ❖ Implemented the data migrations for a huge amount of data from various environments and upgraded the latest versions of database platforms(MSSQL and ORACLE)
- ❖ Administered 100s of Linux and Windows servers hosting database instances, including system monitoring, regular security patching and performance tuning, user accounts and permission across multiple environments.
- ❖ Developed automation for daily monitoring and increased bandwidth by reducing the manual task of configuration.
- ❖ Coordinate multi-country, high-traffic data processing projects, customizing solutions for banks' regulatory, business needs and clarify requirements, define project scope, and maintain compliance standards

Telangana Power Generation Corporation

Nalgonda, India

Intern

Jan 2021 - Feb 2021

- ❖ Performed analysis of synchronous static generator excitation system while adhering to high-voltage(815 MW capacity) safety protocols in hydropower plant maintenance and troubleshooting.

PROJECTS

Quadruped Robot

July 2021– May 2022 |

- ❖ Collaborated in a two-person team to design and build a quadruped robot for autonomous video monitoring. Built a robot using Raspberry Pi and servo motors for autonomous video monitoring and image optimization.

Data Warehouse For E-Commerce

Oct 2025

- ❖ Built a data warehouse and ETL project for a food delivery dataset using PostgreSQL for data analysis.

Hybrid Edge to Cloud IoT Pipeline

Nov 2025

- ❖ Built a hybrid edge-cloud pipeline (Python, Tesseract) to process IoT image data and route analytics to PostgreSQL and MongoDB.

LEADERSHIP & ACTIVITIES

Bank of America

Chennai, India

Volunteer Mentor

Sept 2022 - Aug 2025

Mentored students one-on-one, creating supportive learning environments and improving student engagement in a school for children with special needs.

SRM University

Chennai, India

Volunteer Mentor

Aug 2018 - March 2021

Organized and directed mega cultural events, managing logistics by coordinating food vendors for the college cultural fest.