

# Satheesh K

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## Education

### Integrated Master of Technology in Computer Science Engineering

Jul 2021 – May 2026

Major in Computational and Data Science

CGPA: **7.65**

VIT Bhopal University, Bhopal, Madhya Pradesh

### Higher Secondary

Mar 2020 – Jul 2021

SAV Balakrishna CBSE School, Tamil Nadu

Percentage: **81.6%**

### Secondary

Mar 2018 – May 2019

SAV Balakrishna CBSE School, Tamil Nadu

Percentage: **83.6%**

## Skills

**Programming Languages:** Python, SQL, R, Java, HTML, CSS

**Tech Stack:** NumPy, Pandas, Matplotlib, Flask, Docker, TensorFlow, Huggingface, ARIMA, Pytorch, OpenCV, LSTM, NLP, Langchain

**Tools:** GitHub, Tableau, MySQL, Power BI, Excel, Google Looker, Notion, Positcloud

## Projects

### PowerCast: AI –Driven Electricity Consumption Forecasting

Mar 2023 – May 2024

- **Built an AI driven forecasting model (ARIMA, LSTM, Prophet)** achieving **88.5% accuracy** in predicting electricity consumption.
- **Reduced RMSE by 18.3%** through advanced **feature engineering** and hyperparameter tuning.
- Visualized demand trends and patterns with Matplotlib and Seaborn to support **data-driven energy management** decisions.

### Resume Optimizer Bot

Mar 2025 – Apr 2025

- **Built an AI-powered Resume Optimizer** using Cohere NLP and Adzuna APIs to match resumes with job descriptions and identify **keyword gaps**.
- **Enhanced ATS compatibility** by over 90% through advanced **semantic similarity scoring** and keyword extraction.
- **Deployed a user-friendly web app** for instant, personalized feedback and real-time resume improvement suggestions.

## Work Experience

### Webmobi360

Jan 2025 – Mar 2025

*Data Scientist Internship (Individual Role)*

- **Led A/B testing on AI/ML services**, optimizing user engagement by **25%** and improving conversion rates by **18%**
- **Analyzed company datasets in Tableau** to visualize trends and optimize marketing, increasing **lead conversion by 30%**
- **Expanded B2C outreach** specifically across the **UK, Canada, UAE, and US**, and collaborated to tailor AI/ML solutions

### Uptoskills

Oct 2024 – Dec 2024

*Data Science Internship (Team Role)*

- **Developed an AI-powered proctoring system** with face detection, eye tracking, and anomaly detection, achieving **94.3% accuracy** in identifying suspicious activities.
- **Built an automated plagiarism detection chatbot** using NLP and machine learning, delivering **92% precision** and reducing manual verification time by **40%..**
- **Enhanced real-time video analysis** and text similarity, boosting detection accuracy and reducing false positives.

## Certifications

- **Artificial Intelligence associate** by Salesforce
- **Data Analytics professional certificate** by Google
- **Data Science Professional certificate** by IBM
- **Business Intelligence professional certificate** by Google

Jan 2025

Dec 2024

Nov 2024

Oct 2024

## Awards & Achievements

- **Runner-Up in VIT Chess Champions League** – Secured **2nd place**, showcasing strong strategic thinking.
- **Cybersecurity Enthusiast** – Participated in **Cocoon International Cybersecurity Conference**, demonstrated **RFID & Flipper Zero** hacking.
- **Hackndore Hackathon Participant** – Developed AI and cybersecurity solutions in a national-level hackathon.
- **LeetCode Enthusiast** – Solved **500+ problems**, improving coding skills in **Python, SQL, and Data Structures**.
- **Core Team Lead, Data Science Club**: **Organized** and **facilitated 5+ monthly meetings**, collaborating with **50+ members** to drive club

**Hobbies and Interests:** Playing chess, video editing, reading books, cooking