

# ABHARNA K

Coimbatore | [abharnak19@gmail.com](mailto:abharnak19@gmail.com) | 9486313637 | [linkedin.com](https://www.linkedin.com) | [github.com](https://github.com)

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## SUMMARY

As a college student, I aspire to excel in AI and data analysis, leveraging my analytical skills to tackle real-world challenges. Eager to contribute insights and drive informed decision-making in pursuit of organizational success.

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## EDUCATION

**B. Tech** Artificial Intelligence and Data Science | Kumaraguru College of Technology      **10/2022 - Present**

- Cumulative **CGPA: 8.65**

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## PROJECTS

### Video to Text Transcriber (OpenAI's whisper model) [view](#)

- Developed a Video to Text Transcriber that automates the extraction of audio from video files using moviepy and pydub, and converts the audio to text with Speech Recognition.
- Utilized the OpenAI Whisper model for high-quality audio transcription, providing an efficient and accurate way to convert spoken content into text.

### Crop Recommendation System (Keras, Colab, Excel) [view](#)

- Designed and implemented an AI-driven crop recommendation system that assists farmers in selecting the most profitable crops by analysing key factors such as region, soil nutrient levels, and environmental conditions.
- Applied Naive Bayes and Random Forest algorithms to improve crop prediction accuracy; experienced in data preprocessing, feature engineering, and model evaluation for precision agriculture.

### Sales prediction & Analysis (Python) [view](#)

- Led a sales prediction project focused on understanding the influence of advertising across TV, radio, and newspaper channels on sales performance.
- Utilized linear regression to predict sales outcomes, resulting in improved forecast accuracy and actionable insights.

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## SKILLS

• Python • SQL • Excel • Machine Learning • Kicad • Fusion 360

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## EVENTS PARTICIPATED

### TANCAM Hackathon

- Actively participated in a Hackathon organized by TANCAM focusing on the theme of Smart Agriculture Infrastructure.
- Demonstrated problem-solving skills by analyzing agricultural data and proposing tailored recommendations to optimize crop selection for farmers.

### Re Intra Ideathon

- Won 2nd place in Re Intra Ideathon on Smart Systems, focusing on effective battery management in drones.