

JAYAKUMAR V

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EDUCATION

Bachelor of Computer Applications:

Arignar Anna Government Arts College, Tamil Nadu, India

June 2022 – May 2025

GPA: 7.50

SKILLS

Languages: Python, SQL

Framework: Pandas, NumPy, Flask, Django, Matplotlib, Seaborn

Tools: Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite

Platforms: PyCharm, Visual Studio Code, IDLE, Google colab

Others: MS Office

PROJECT

TITLE: Academic Performance Analysis:

- Processed and cleaned raw educational data to assess key academic indicators such as student grades, attendance rates, and overall performance trends.
- Utilized Python libraries (Pandas, Matplotlib) to analyze structured data and uncover meaningful patterns impacting academic outcomes.
- Designed and developed visual dashboards (bar charts, heatmaps, and trend lines) to illustrate group-level academic strengths and weaknesses.
- Derived actionable insights to support data-driven decision-making for academic interventions and improved student performance.

TITLE: Backend For YouTube Downloader

- Built a command-line tool to download YouTube videos using yt-dlp, supporting single videos, playlists, and audio-only formats.
- Implemented format selection (bestvideo+bestaudio), audio extraction to MP3, and subtitle downloading.
- Automated downloads with custom file naming, batch input handling, and post-processing (thumbnail embedding, metadata).
- Enhanced understanding of Linux terminal, scripting, and multimedia processing in a real-world context.

CERTIFICATIONS

- **Python for Data Analysis** – Data manipulation and visualization using Pandas, NumPy, Matplotlib Data Analysis Masterclass – End-to-end data analysis with real-world projects.
- **DataAnalytics Masterclass** - Completed a Data Analytics Masterclass covering Excel, Power BI, Tableau, and Python (Pandas) for data analysis and visualization.
- **Full-Stack Web Development Bootcamp** – Frontend & backend development with HTML, CSS, JS, and Python.