AJAY S

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PROFESSIONAL PROFILE

Enthusiastic and dedicated Computer Science student with a solid understanding of programming, data structures, and software development. Quick learner with good problem-solving skills and a passion for technology. Seeking an opportunity to apply and grow technical skills in a professional environment

PROFESSIONAL EXPERIENCE

- Developed RESTful APIs using Python (FastAPI) for internal automation tools, reducing manual work
- Built and maintained automated data pipelines for test result reporting using SQL and Pandas.
- Integrated Firebase for real-time logging and analytics in web-based test management dashboards.
- Technologies: Python, FastAPI, Docker, SQL, Firebase, Git.
- Migrated manual regression test cases to automated pipelines, improving test execution efficiency
- Designed and developed custom Python scripts to validate backend APIs and database workflows.
- Actively collaborated with developers to identify bottlenecks and optimize system performance through debugging and profiling tools.
- Mentored junior team members in Python, SQL, and software best practices.
- Technologies: Python, SQL, Git

PROJECT DETIALS

Youtube data harvesting using streamlit and cloud technologies

YouTube Data Harvesting using Google API and Streamlit: Automated YouTube data collection using the Google API and Streamlit for visualization. Extracted video stats, comments, and user engagement for trend analysis. Stored data in MongoDB and used Python for preprocessing and insights generation. Technologies: Google API, Streamlit, MongoDB, Python, Pandas, SQL, Data Analysis, Data Visualization.

PAPER PUBLICATION

https://www.ijset.in/interactive-youtube-data-harvesting-using-streamlit-cloud-technologies/

TECHNICAL PROFICIENCY

- **Programming Languages:** C,C++, Python
- **Web Development:** HTML/CSS
- **Databases:** SQL, MongoDB
- **Data Science Workflow & Project Management:** Jupyter Notebook,Git/GitHub
- **Cloud Platforms & DevOps:** (GCP Google Cloud Platform) Docker, Git.
- **Interpersonal Skills:**Problem-Solving, Leadership and Mentorship, Collaboration and Teamwork, Learning and Development.

EDUCATION

Vels university

Bachelor of Computer Applications (BCA)
2020-2023

Vels university

Master of Computer Applications (MCA)
2023-2025