Akshat Arya

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ABOUT

Hey There! I am Akshat and I am a sophomore at RVCE. I like solving puzzles and taking up challenges. I enjoy observing and learning from experiences, finding lessons in the world around me rather than solely through books.

EDUCATION

R.V College of Engineering   September 2023 - August 2027
Undergraduate | *Computer Science*   *Bengaluru, India*

- Academic Achievement: Scored 9.0 CGPA in the first year of college.

SKILLS

- **Programming Languages & Frameworks**: Python, C, JavaScript, HTML5, CSS3
- **Technologies**: Gitlab, GitHub, Arduino, RaspberryPi
- **Databases**: MySQL

PROJECTS

EffiScan-AI   Github repository
The project leverages live CCTV footage, utilizing **OpenCV** and **YOLOv8** for real-time analysis to enhance work efficiency and ensure regulatory compliance.

Prompt Improvement Tool   Github repository
The web-app empowers users to create more effective prompts by leveraging **Gemini 1.5** and **LangChain**.

Smart Home Monitoring System   G-Drive link
Developed an **Arduino**-based smart home energy monitoring system featuring real-time sensor data integration, automated controls, and alert mechanisms to optimize resource usage.

Job Recommendation Tool   Github repository
Developed a website that allows users to upload their CV and in turn recommends them jobs based on their current skill set by leveraging techniques such as **TF-IDF** and **cosine similarity**. It also provides the user with a road-map to improve their skills and progress in their current field of work. Tech Stack: **Python, PyPDF2, spaCy, scikit-learn, streamlit, NLTK, numpy, pandas.**

EXPERIENCE

Coding Club, R.V College of Engineering   January 2024 - Present
Member   *Bengaluru, India*

- Enhanced skills through mentorship, networking, and leading event management initiatives.

CERTIFICATIONS & ACHIEVEMENTS

- **Argonyx '24**: Secured **4th** position in Argonyx '24 - a state level 24 Hr Hackathon organised by RV University for developing a job recommendation system.
- **Google Developer Student Club:** API Gateway, Cloud Storage, Dataplex, Looker, Prompt Design (Vertex AI), and Basics of Google Cloud.
- **HackerRank & Educative:** Python, Data Structures & Algorithms (DSA), JavaScript, HTML, and CSS.
- **Certficicates**: G-Drive

MISCELLANEOUS

- Host at Antaragni 2019 - Annual Function at B.B.L Public School, Bareilly, Uttar Pradesh.
- Strategic thinker who enjoys Chess and solving complex puzzles.