```python
knowledge_base = {

    "name": "Yuvaneswaran M",

    "introduction": (

        "Hello! I am Yuvaneswaran's personal AI assistant. "

        "I can help you learn about his education, skills, projects, internships, certifications, achievements, extracurricular activities, hobbies, goals, current work, and overall profile summary."

    ),

    "education": (

        "Yuvaneswaran M is currently a third-year Bachelor of Technology student specializing in "

        "Artificial Intelligence and Data Science at Sri Sairam Engineering College, West Tambaram, Chennai. "

        "He is part of the 2023–2027 batch with a current CGPA of 6.88. "

        "He completed his schooling at Sree Gokulam Public Schools, Chengalpet, finishing 10th grade in 2021 and 12th grade in 2023."

    ),

    "college": (

        "Sri Sairam Engineering College is a leading institution in Chennai, known for academic excellence "

        "and strong industry collaboration. Yuvaneswaran is in the AI and Data Science department, "

        "where the curriculum emphasizes machine learning, data analytics, and hands-on projects."

    ),

    "skills": (

        "Programming languages: C, Python. "

        "Web Development: HTML, CSS, JavaScript, React, FastAPI, Mantine. "

        "Data Analytics: Python (EDA), Power BI, MATLAB. "

        "Machine Learning: Basic concepts, collaborative filtering, clustering (Elbow Method). "

        "Tools: Jupyter Notebook, MS Office, Ultimaker Cura (3D Printing), Git."

    ),

    "projects": (

        "Yuvaneswaran has worked on multiple projects combining frontend and backend skills. "

        "Key projects include: "

        "a collaborative filtering-based movie recommendation system with FastAPI and React, styled with Mantine; "
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"a personal AI chat box for interactive self-introduction and resume sharing; "

"a Power BI Data Visualization Dashboard with interactive sales reporting; "

"an e-commerce website with responsive UI; "

"a Connect 4 game with real-time win detection; "

"a To-Do List App with local storage; "

"and an interactive Calculator App. "

"These projects demonstrate his ability to design, develop, and deploy user-friendly, professional-looking applications."

),

"internships": (

"Currently interning at Azzn Technology in the Machine Learning domain, where he is working on "

"data preprocessing and applying clustering using the Elbow Method. "

"Completed a Data Science internship at GB Tech Corp, where he worked on data preprocessing, exploratory data analysis (EDA), "

"building basic predictive models, and creating interactive Power BI dashboards to support business intelligence. "

"Also finished an AICTE-approved Web Development internship at InternPe, completing four comprehensive projects "

"focused on UI/UX design and frontend development."

),

"certifications": (

"AICTE-approved Web Development internship (InternPe). "

"Python for Data Science (NPTEL). "

"MATLAB Onramp, Image Processing Onramp, Signal Processing Onramp, and Optimization Onramp (MATLAB). "

"Successfully completed training in Power BI and developed interactive data visualization dashboards."

),

"achievements": (

"Winner in Paper Presentation at BIS Symposium. "

"Runner-up in an Intra-college Ideathon competition. "

"Active HR Manager for YUCI activities, organizing events such as NDC 2.0 at Vels Global School in Medavakkam. "

"Active volunteer in the National Service Scheme (NSS), contributing to community service and social initiatives."

),

"extracurricular": (

"Served as HR Manager for YUCI, leading event planning, student outreach, and social media communication. "

"Organized and participated in the NDC 2.0 school outreach event at Vels Global School. "

"Volunteered extensively with NSS, engaging in social service and event coordination. "

"Experience working in diverse teams, demonstrating leadership, communication, and organizational skills."

),

"hobbies": (

"Exploring machine learning projects, developing web applications, playing football and badminton, "

"going to the gym with a disciplined approach, and volunteering with NSS and YUCI for social causes."

),

"goal": (

"His career goal is to become a data analyst, AI specialist, or software engineer who can deliver real-world impact through data-driven decision making, "

"effective visualization, robust software design, and advanced machine learning techniques. "

"He is committed to continuous learning, applying modern technologies to solve challenging problems, and building scalable, user-friendly applications."

),

"current_status": (

"Currently pursuing his third year of B.Tech in AI and Data Science with a CGPA of 6.88. "

"Interning at Azzn Technology in the Machine Learning domain. "

"Actively working on data preprocessing and clustering using the Elbow Method, "

"building and integrating a movie recommendation system using both backend and frontend technologies, "

"and developing this personal AI chat box project as part of his mini-project portfolio to showcase his skills interactively."

),

"summary": (

"Yuvaneswaran stands out as a well-rounded, forward-thinking technologist with a rare blend of technical expertise, creative problem-solving, and strong leadership experience. "

"He combines solid frontend and backend development skills with a clear understanding of machine learning workflows and data analytics. "

"His hands-on approach is demonstrated through a range of diverse projects—from a sophisticated movie recommendation system with FastAPI, React, and Mantine, to interactive Power BI dashboards and polished web applications. "

"He has applied these skills in real-world internships, collaborating with teams to deliver impactful results in both data science and web development domains. "

"Beyond technical prowess, he is known for his proactive leadership as HR Manager at YUCI, volunteering with NSS, and organizing large-scale outreach events that strengthen his communication and organizational abilities. "

"Yuvaneswaran's professional journey showcases a commitment to continuous learning, adaptability, and a genuine passion for using technology to solve meaningful problems. "

"He aspires to grow as a Data Analyst, AI Specialist, or Software Engineer who can bridge business goals with technical solutions through data-driven insights and user-friendly applications."

    ),

  "why_him": (

    "He is a motivated and curious learner who is building a strong foundation in frontend and backend development, "

    "machine learning workflows, and data analytics. "

    "He has already completed multiple academic projects, internships, and workshops that show his willingness to learn and improve. "

    "He is dedicated, proactive, and eager to apply what he learns to solve real-world problems in the future."

    ),

  "unique": (

    "Yuvaneswaran stands out as a well-rounded, forward-thinking technologist with a rare blend of technical expertise, creative problem-solving, and strong leadership experience. "

    "He is adaptable, committed to continuous learning, and passionate about using technology to solve meaningful problems."

)

}