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* **Problem:** A college is a place of learning for future life. People around a student may treat them badly, misjudge, insult, manipulate, or bully them. They might be misguided and get involved in violence, drugs, or harassment in the worst cases, breaking college rules, which can ruin their college life. An introverted person may not easily speak up to anyone. They might not trust others, even their friends or parents. They keep their problems to themselves, carrying the burden alone.

There are students who lose motivation to wake up, go to the gym, learn, concentrate, or prioritize their work. All the day-to-day problems of a student should be heard by someone—a friend, sibling, or parent. He/she needs to be guided in a positive way, motivated, made to feel happy, and cheered up. In sad times, people should analyse the student’s emotions, be empathetic, show kindness, and guide them in the right way to cope with their problems. We have a solution for mental well-being.

* **Solution:** We planned to create an AI chat platform with good User Interface, which can get emotion from the person by their face expression. An AI speech recognition system, we can get emotion from voice, transform speech to text. In backend, a Large language model (LLM) will be running in server. A fine-tunned LLM, trained with empathetic texts and human conversations. It responds to the user according to their emotional inputs and problems.   
  This whole system acts as personal psychological therapists, gives user the best share buddy, which can trust, be loyal and guide in good ways in life of a student.
* **Technical Approach:**
  + **Frontend:** React with Tailwind CSS for a sleek UI.
  + **Backend:** Node.js (Express) & Python (FastAPI, Uvicorn) for API development.
  + **AI Agents:** CrewAI-powered responses with DeepFace for vision capabilities.
  + **Database:** PostgreSQL for structured data storage.
  + **Visualization:** Plotly for interactive data insights.
  + **Reports:** AI-driven summaries & analytics.
  + **Deployment:** Dockerized microservices with cloud integration.
* **Feasibility Analysis:**
* Technical Feasibility:
  + The project utilizes proven technologies (React.js, Node.js & express, FastAPI, PostgreSQL, CrewAI, DeepFace).
  + We are AI students; we worked with image datasets and audio. This project is technically feasible to do. We can improve accuracy and give proper results to the user.
  + Cloud-based deployment ensures scalability and real-time performance.
* Economic Feasibility:
  + Open-source frameworks reduce development costs.
  + Cloud computing and containerization optimize infrastructure expenses.
  + A freemium model or institutional partnerships can support long-term sustainability.
* Social Feasibility:
  + Provides mental health support to students who might hesitate to seek help.
  + Encourages emotional well-being and healthy coping mechanisms.
  + Helps reduce stress-related academic dropouts and psychological issues.
* Ethical Feasibility:
  + Data privacy and security are prioritized to protect user information.
  + AI models are trained on ethical guidelines to ensure non-biased, empathetic responses.
  + Encourages responsible AI usage without replacing human therapists but complementing mental health support.