DEBJYOTI BHATTCHARJEE

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AI and Software Engineer passionate about building intelligent systems that solve real-world problems through data driven innovation and automation. Skilled full stack software developer with knowledge in front-end and back-end development.

SKILLS

- **Programming Languages:** Python | C++ | Go(Golang)
- **Frontend:** JavaScript | React.js | Next.js | TypeScript
- **Backend:** Python | Node.js | Express.js
- **AI and Data:** TensorFlow | Pandas | NumPy | LangChain
- **Database:** MySQL | MongoDB | PostgreSQL
- **DevOps:** AWS | Docker | Kubernetes

PROJECTS

- **HIA-Health Insights Agent :** Python | LangChain | OpenAI API | Streamlit | MySQL

  Built an AI-powered health assistant that analyzes user symptoms and lifestyle data to suggest preventive measures and doctor consultations.
  Integrated secure data storage using MySQL and enabled real-time chat functionality.
  Resulted in faster preliminary diagnosis and improved health awareness among test users.

- **Automated Trading Bot:** Python | Pandas | Binance API | Matplotlib | PostgreSQl | TimescaleDB

  Designed a bot that performs technical analysis and executes simulated crypto trades based on moving averages.
  Implemented logging and backtesting for performance tracking.
  Achieved up to 12% simulated profit over benchmark during tests.

- **Product Recommendation Agent:** React | FastAPI(Python) | PostgreSQL | Pandas | Docker

  Developed an AI Powered Product Recommendation Engine using implementing   retails suggestions with 85% accuracy rate. Improved user metrics by 40%. Reduced response latency from 1.8s to 400ms.

EDUCATION
B.Tech CSE| Institue of Engineering and Management,Kolkata
Graduation Year 2029