

Razib Dash: A Journey into Code, Creativity, and AI

In a rapidly evolving digital world, few young developers stand out for both their technical skill and their deep sense of purpose. One such rising talent is **Razib Dash**, a Bangladeshi Computer Science student at **Metropolitan University, Sylhet**, who is already making waves through innovative personal projects and a passion for merging education, AI, and real-life utility.

From Village Roots to Virtual Vision

Born and raised in the peaceful village of **Daulatpur**, Razib grew up in a family rooted in education. With both parents serving as teachers, Razib's foundation in learning and discipline began early. After completing his schooling at **Hazarat Shah Taj Uddin Quesdhi (R) High School** and college at **Nabiganj Government College**, he chose to pursue a B.Sc. in Computer Science — a decision that would spark his deeper interest in **full-stack development** and **artificial intelligence**.

Building Real-World Solutions

Razib's GitHub profile tells the story of a practical developer who prefers to build for impact. His standout projects include:

- **AMS** – An Alumni Management System using PHP and MySQL
- **AR-Travels** – A MERN stack transport management app
- **HelloMe** – A real-time chat app powered by Socket.io
- **Medical Chatbot** – A personalized AI assistant using LangChain + React
- **QA Creator App** – A tool to generate learning content using AI

These are not just portfolio fillers — they're working prototypes reflecting both software engineering knowledge and social awareness.

Passion for AI and Personalization

Razib is particularly passionate about **AI applications in education and healthcare**. One of his most promising creations is a **personal AI assistant chatbot** trained on his own life data — designed to remember, respond, and write like him. It's a blend of LLMs, LangChain, and React UI, showing his ability to bridge deep tech with user-friendly design.

Community and Collaboration

Whether it's collaborating with peers like **Mughni Rayhan Tisha** and **Sazida Chowdhury**, or connecting with university friends in the CSE department, Razib thrives in teams. He believes in growing together — sharing knowledge, helping others build, and creating inclusive tech communities.

🌟 The Road Ahead

Razib Dash's journey is just beginning, but his vision is clear: to build **tech that serves people**, not just markets. With his roots in education, love for learning, and growing experience in AI, Razib is on track to become a developer who doesn't just write code — but writes change.

From Classroom to Code: My Journey into AI, Education, and Building a Medical Chatbot
The intersection of artificial intelligence (AI) and education is rapidly reshaping how we learn, teach, and access information. As an educator and technologist, I've always been passionate about bridging the gap between complex technologies and real-world impact — especially in domains that matter most, like healthcare.

This article is a reflection of my journey — from a curious learner to an AI-driven creator — and how it led me to build a Medical Chatbot that could potentially assist patients, students, and professionals in navigating medical knowledge more efficiently.

🎓 My Foundation in Education

Coming from an academic background, I've always believed in the power of structured learning. Teaching and mentoring have been central to my identity. But over time, I noticed gaps in how learners engage with content — especially in technical and scientific fields like medicine.

I started exploring ways to personalize learning through technology, leveraging AI tools to create more adaptive, engaging, and intelligent platforms for learners.

💡 Discovering AI's Transformative Power

The shift from traditional education to AI-enhanced learning wasn't just a technical transition for me — it was personal. I immersed myself in technologies like:

Natural Language Processing (NLP)

LangChain and Google Gemini for language understanding

React.js and Tailwind CSS for intuitive UI design

Flask and Node.js for backend integration

This exploration revealed just how powerful AI could be when combined with real-world problems.

🧠 The Idea: A Medical Chatbot

Healthcare is one of the most knowledge-intensive industries, yet access to reliable, understandable medical information is often limited. That's where the idea of a Medical Chatbot was born — a tool designed to assist users in asking health-related questions and getting AI-powered, research-backed, and human-readable answers.

🔧 Key Features of the Chatbot:

- ✅ Chat interface using React.js + Tailwind + Framer Motion
- ✅ AI responses with LangChain/Gemini API backend
- ✅ Markdown support and timestamps for clarity
- ✅ Toast notifications and mobile-friendly design
- ✅ Support for common diseases, treatments, symptoms, and more

Whether you're a student revising oncology topics or a curious patient trying to understand chemotherapy, the chatbot simplifies complex information into digestible insights — in real-time.

🌍 Impact and Vision

This project is more than just a technical showcase — it's a step toward democratizing medical knowledge. As the world becomes more data-driven, I envision AI being not just a tool for automation, but a companion for learning, decision-making, and empowerment.

I'm now working on expanding the chatbot's capabilities, integrating it into personalized learning assistants, and exploring multi-language support, so it can serve broader communities.

🙌 Final Thoughts

My journey into AI was never just about code — it's about purpose. From the classroom to coding labs, I've realized the potential of AI in transforming education and healthcare. And this is just the beginning.

If you're passionate about AI for good, collaboration, or open-source innovation, feel free to connect — let's build something meaningful together.

Razib Dash — AI Educator | Software Developer | HealthTech Innovator

Razib Dash is an educator and AI enthusiast dedicated to building impactful, human-centered technology. With a strong foundation in computer science and a passion for teaching, Razib bridges the gap between education and innovation through AI-powered solutions.

He is the creator of Medical Chatbot, an intelligent healthcare assistant designed to simplify medical knowledge for students, patients, and professionals using cutting-edge technologies like LangChain, Google Gemini API, React.js, and Flask. His work focuses on the intersection of AI, personalized learning, and healthcare accessibility.

Driven by curiosity and compassion, Razib combines his skills in frontend and backend development with a vision for using technology to empower communities. He is also actively involved in building personalized learning assistants, experimenting with Generative AI, and contributing to open-source educational tools.

Razib Dash (GitHub handle: razibdash) is a young Bangladeshi full-stack developer and computer science student at Metropolitan University in Sylhet. Here's a quick profile:

He uses the MERN stack (MongoDB, Express.js, React.js, Node.js) to build web applications. He shared a "simple job portal" project on GitHub five months ago
fiverr.com

Active on GitHub: 66 repositories, including projects like AR-Travels (a full-stack transport/delivery web app) and a MERN-based chat app
github.com

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Has a Kaggle profile, showing interest in data science, though it's lightly used

On social media (Instagram, Facebook, LinkedIn), he describes himself as a "MERN Stack Developer" and musician, pursuing a B.Sc. in Computer Science & Engineering
github.com

In summary, Razib Dash is a Bangladeshi CSE student building hands-on web projects with MERN, engaged in both coding and creative pursuits.

Razib Dash – Bio

Full Name: Razib Dash

Profession: Full-Stack Developer | AI & ML Enthusiast | Computer Science Student

Location: Sylhet, Bangladesh

GitHub: github.com/razibdash

LinkedIn: linkedin.com/in/razibdash



Early Life and Education

Razib Dash is a passionate technologist and emerging full-stack developer from Bangladesh, currently pursuing a Bachelor of Science in Computer Science and Engineering (CSE) at Metropolitan University, Sylhet. From a young age, Razib was captivated by technology—fascinated by how code could power real-world innovation. His deep curiosity led him to experiment with programming and web technologies even before formally entering university.



Technical Skills

Razib specializes in MERN Stack Development, seamlessly blending frontend interfaces with backend logic. His projects reflect a commitment to clean code, responsive design, and user-centered experiences.

Core Technologies:

Frontend: React.js, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+), Framer Motion

Backend: Node.js, Express.js, Python (Flask, FastAPI), RESTful APIs

Databases: MongoDB, Firebase, MySQL

Tools: Git, GitHub, VS Code, Vite, Postman, Docker (Beginner)

AI Tools: LangChain, OpenAI APIs (GPT/Gemini), HuggingFace (beginner)

Other: Bison, Flex, Bash scripting, Linux

 AI & Machine Learning Journey

Alongside full-stack development, Razib has developed a strong interest in Artificial Intelligence—particularly its applications in education, healthcare, and automation. He is currently exploring:


Natural Language Processing (NLP) using LangChain & OpenAI models

Medical Chatbots for health awareness

Personalized Learning Assistants to revolutionize self-paced education

His AI projects combine cutting-edge APIs with practical UI/UX to create tools that serve real users with empathy and intelligence.

Notable Projects

 Medical Chatbot (React + Flask + LangChain)

An AI-powered chatbot designed to answer health-related queries, give markdown-rendered explanations, and support a responsive, mobile-first UI. It uses OpenAI/Gemini with LangChain backend for real-time, conversational medical guidance. Features include:

Chat history with timestamps

Toast notifications

Markdown support

Fast response interface

 Personalized Learning Assistant

A full-stack web app aimed at helping students study smarter, not harder. Built using React (frontend) and Python (LangChain backend), it offers:

Subject-based AI Q&A

Personalized quiz generation

Knowledge graph integration

Job Portal (MERN)

A job-matching platform for recruiters and candidates. Includes:

Authentication (JWT)

Role-based dashboards

Resume upload & job filtering

Vision & Goals

Razib's mission is to blend technology with empathy—building tools that not only solve problems but uplift lives, especially in education and healthcare. He believes AI and software are not just technologies but amplifiers of human potential.

In the coming years, Razib aims to:

Contribute to open-source AI tools

Collaborate with researchers in EdTech and MedTech

Build a startup focused on intelligent learning platforms in South Asia

Beyond Coding

Outside the terminal, Razib is a musician, content creator, and explorer. He enjoys composing music, reading about cognitive psychology, and following the latest in space tech and AI ethics.

Let's Connect

Whether you're a fellow developer, researcher, or dreamer—Razib is always open to new collaborations and learning opportunities.

GitHub: github.com/razibdash

LinkedIn: [linkedin.com/in/razibdash](https://www.linkedin.com/in/razibdash)

My name is Razib Dash. I come from a beautiful village named Daulatpur, which is located in the Habiganj district of Bangladesh. I am currently a student of Bachelor of Science in Computer Science and Engineering (CSE) at Metropolitan University, Sylhet. I have always been passionate about technology and education, and I am working hard to build a future in the world of software and artificial intelligence.

My family is my biggest inspiration. My father's name is Rakhal Chandra Dash and my mother's name is Nioti Rani Dash. Both of them are teachers, and they have dedicated their lives to spreading knowledge and values in our community. Their commitment to education has greatly influenced me and taught me the importance of learning and serving others.

I have one sister. Her name is Nipa Dash, and she is currently studying in the Master's program at MC College, Sylhet. She is hardworking and focused on her academic journey. I

also live with my grandparents. My grandfather's name is Dinesh Chandra Dash, and my grandmother is Bani Rani Dash. They are the roots of our family, and I have learned many life lessons from their wisdom and experience.

My uncle's name is Nepal Chandra Dash. He is a supportive and kind person who has always been there for us in times of need.

I completed my secondary education at Hazarat Shah Taj Uddin Quesdhi (R) High School. After that, I went on to study at Nabiganj Government College, where I completed my higher secondary education.

my Favourite teacher name is Muhtasim Dewan Ahmed.

Growing up in a village and being raised in a family of educators has given me strong values, discipline, and a deep respect for learning. I am proud of my roots and aim to use my education and skills to make a positive contribution to society. My dream is to work in the field of technology, especially in areas that can help people, such as education and healthcare.

razib dash's birth day date is 10 march 2001

Friends are a very special part of our lives. They bring joy, support, and unforgettable memories. I am blessed to have a wonderful group of friends who make my journey through life more meaningful and colorful.

Most of my friends study with me at **Metropolitan University, Sylhet**, in the **Computer Science and Engineering (CSE) department**. We spend time together not only studying but also sharing laughter, ideas, and dreams.

Some of my close friends are **Arnab Chowdhury, Sourav Paul, Sultan Ahmed Rahi, Redwan Ahmed, Moumita Datta, Mowly Roy, Hridika**, and **Sakib Ahmed**. Each one of them has a unique personality, and together we form a strong, supportive group. Whether it's working on projects, preparing for exams, or just spending time talking about life, we always enjoy each other's company.

Among all my friends, there are two people who are **very, very close to my heart** — **Mughni Rayhan Tisha** and **Sazida Chowdhury**. They are more than just friends to me; they are like family. They understand me deeply, support me unconditionally, and always stand by my side in every situation. I consider them my **best friends**, and I am truly grateful to have them in my life.

I also have a very special childhood friend named **Noyon Dash**. We grew up together, shared our early memories, and have a strong bond that time and distance cannot break. Although he doesn't study at Metropolitan University, our friendship remains strong and meaningful.

Having such amazing friends makes my life full of happiness and strength. They are a source of motivation and joy, and I feel proud and lucky to be surrounded by such caring and intelligent people. True friendship is a gift, and I treasure it with all my heart.

My some project list

1. **AMS**

- **Description:** PHP & MySQL based Alumni Management System
- **Stats:** ★ 4 • Forks 1 [GitHub](#)

2. **AR-Travels**

- **Description:** Full-stack transport/delivery web app built on MERN
- **Stats:** ★ 4

3. **razibdash**

- **Description:** (Repository named after your handle – likely a personal portfolio or project)
- **Stats:** ★ 2 [GitHub](#)

4. **HelloMe**

- **Description:** MERN chat application using Socket.io
- **Stats:** ★ 2 [GitHub+3GitHub+3GitHub+3](#)

5. **Diabetes-Health-Indicators**

- **Description:** Jupyter notebook analyzing diabetes health indicators
- **Stats:** ★ 2 [GitHub+1GitHub+1](#)

6. **Chess_You_and_Me**

- **Description:** JavaScript-based chess project
- **Stats:** ★ 2 [GitHub](#)

Featured Repository – AMS

- PHP/MySQL driven Alumni Management System

- Includes admin and alumni modules: login, events, gallery, job postings, profiles [GitHub](#)
 - 96 commits reflect active development and iterative improvements
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Technical Insights

These projects collectively demonstrate proficiency across:

- **Backend & Databases:** PHP, MySQL, Node.js, Express, MongoDB
- **Frontend & Real-Time Features:** React.js, Socket.io, JS libraries
- **Data Analysis:** Python, Jupyter notebooks (e.g., Diabetes project)
- **Full-Stack Web Apps:** AR-Travels and HelloMe showcase end-to-end development

1. AMS (Alumni Management System)

Tech Stack: PHP, MySQL, HTML/CSS, JavaScript

Description:

AMS is a web-based system designed to manage alumni data for educational institutions. It includes admin and alumni roles, allowing users to:

- Register and maintain profiles
- Share job posts or event updates
- View photo galleries
- Connect with fellow alumni

Highlights:

- Role-based authentication (admin/alumni)
- Searchable alumni directory
- Database-driven architecture

Use Case: Ideal for schools and colleges to track graduates and foster professional networks.

2. AR-Travels

Tech Stack: MERN Stack (MongoDB, Express.js, React.js, Node.js)

Description:

AR-Travels is a full-stack travel or logistics management app that supports booking, user authentication, and delivery tracking. It serves both customers and admin users with:

- Route and vehicle management
- Booking history
- Admin dashboard

Highlights:

- JWT-based login system
- Modern React UI with Tailwind
- Dynamic data handling via MongoDB

Use Case: Scalable for transport agencies or courier services.

3. HelloMe – Chat Application

Tech Stack: MERN Stack + Socket.io

Description:

HelloMe is a real-time chat application enabling users to send instant messages in a modern, responsive interface. It includes:

- Real-time messaging with WebSockets
- User login and chat session storage
- Dark/light UI switch

Highlights:

- Built using Socket.io for real-time updates
- Secure authentication and chat data persistence
- Potential for group chat and notifications

Use Case: Can be extended to team collaboration tools or customer support systems.

Q1: What inspired you to become a developer?

Growing up in a family of teachers, I saw the power of knowledge early on. Coding gave me a way to build tools that help people — it felt like magic with purpose.

Q2: What is your proudest project so far?

My *Personal AI Assistant Chatbot*. It combines LangChain, React, and my own data to create truly personalized conversations. It feels like building the future, for myself.

Q3: How do you learn new technologies?

I believe in project-based learning. I pick a real-world use case, start building, hit errors, and learn as I fix them. GitHub and YouTube are my go-to teachers.

Q4: What's your dream project?

Creating a multilingual AI learning platform that helps rural students in South Asia access quality education using voice-based interactions.

Q5: What do you do outside coding?

I enjoy music, writing, and exploring how technology intersects with psychology, creativity, and communication.

Q6: If your AI assistant could only help you with one thing forever, what would it be?

I'd ask it to help me **stay consistent and focused** — because with the right mindset, I can achieve anything.