BIDISHA BISWAS

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Education

VIT Bhopal University   **Bhopal, Madhya Pradesh**
Bachelor of Technology, Computer Science Engineering | CGPA: 8.50   **October 2022 – May 2026**

Ryan International School   **Indore, Madhya Pradesh**
Higher Secondary Certificate(CBSE) | Percentage: 77.4%   **April 2021 – May 2022**

Ryan International School   **Indore, Madhya Pradesh**
Secondary School Certificate(CBSE) | Percentage: 89.4%   **April 2019 – May 2020**

Skills

Technical Skills   C++, MERN Stack, PERN Stack, HTML/CSS, Javascript, SQL, Gen-AI**,** Full Stack Web Development

Projects

ShopEZ | January 2025 – April 2025
Designed and developed a feature-rich E-commerce solution using the MERN stack (MongoDB, Express.js, React.js, Node.js) with secure authentication, dynamic product management, and seamless user workflows.
- Engineered Node.js/Express REST APIs handling auth, product mgmt, and order processing at scale.
- Implemented JWT auth with RBAC (Admin/User roles) using middleware protection.
- Built React frontend with dynamic product UI and optimized state management.
- Designed MongoDB schemas with efficient CRUD ops for 100ms query performance.

MentalHood | August 2024 – May 2025
Architected and developed a full-stack mental health chatbot, integrating LLaMA-2 (fine-tuned with LoRA/QLoRA) for empathetic AI support. Constructed a secure platform using MongoDB and JWT for data and authentication, coupled with a user-centric frontend.Fine-tuned LLaMA-2 via LoRA/QLoRA for high-performance, resource-efficient AI.
- Optimized LLaMA-2 via LoRA/QLoRA for high-performance, resource-efficient AI.
- Secured user data and chat management with MongoDB and JWT.
- Designed an intuitive, accessible frontend focused on user well-being.
- Enhanced AI training using a curated mental health dataset and GPT-4 content.

AI DRAWER | Jan 2023 – May 2023
A web platform enabling users to generate images, write creative content, and analyze data through AI.
- Developed a user-friendly web platform that democratizes access to artificial intelligence.
- Leveraged React.js for frontend development.
- Used Node.js for backend development.
- Integrated machine learning models using Python and libraries like TensorFlow and Scikit-learn.
- Designed and implemented intuitive user interfaces and streamlined user workflows.

Co-Curriculars

Hackathons   Participated in **HackVega** organized by **HirePro** on **Mycareernet** in **June 2025**

Participated in **ScriptedByHer** organized by **Meesho** on **hackeEarth** in **June 2025**

Interests   Avid reader of romantic fiction by Durjoy Datta

Clubs   Served as Content Team Co-Lead in Health-O-Tech Club for March 2024 – May 2024.