

SHREYANSHU BANERJEE

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Profile Summary

Motivated Computer Science undergraduate with expertise in Data Structures and Algorithms (DSA) and full-stack development. Proficient in C++, SQL, and web technologies. Passionate about solving real-world problems through efficient coding solutions.

Relevant Coursework

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|-------------------------------------|-------------------------------------|---|--------------------|
| • Data Structures
And Algorithms | • Database
Management
Systems | • Machine Learning

• Computer Networks | • Operating System |
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Experience/Courses

AWS Global Course

- Gained hands-on experience in cloud computing, storage, and deployment services.
- Learnt best practices for AWS infrastructure management and security.

MongoDB Course

- Worked with NoSQL databases to optimize and manage data efficiently.
- Learnt indexing, aggregation, and query optimization techniques.

MERN Stack Web Development Internship

- Internship at CODTECH, focusing on web development.
- Hands-on tasks to create dynamic websites using MongoDB, Express.js, React.js, and Node.js.

Projects

- **Drug research platform**
 - AI-Powered Drug Research Platform (AI-Powered Drug Research Platform)
 - Developed a drug research platform using Next.js 14, TypeScript, and Tailwind CSS for a responsive UI.
 - Integrated NVIDIA AI models to enhance molecule generation and drug discovery.
 - Enabled real-time collaboration with group messaging and research team management features.
- **Plant Disease Detection System**
 - Built a machine learning model for plant disease detection using Python and AI techniques.
 - Integrated image processing techniques to classify plant diseases.
 - Deployed the model with an interactive UI for easy accessibility.

Technical Skills

- Analytical Tools: Excel, SQL,
- Languages: Python, SQL, C++.
- Technologies/Frameworks: GitHub, Pandas ,APIs, Machine Learning, Cloud Computing.

Education

Vellore Institute of Technology

B-Tech in Computer Science – **CGPA: 8.45**

Oct 2022 – May 2026

Bhopal ,Madhya Pradesh

Certificates

- Cloud Computing – NPTEL
- Marketing Analytics -NPTEL
- Certificate in Artificial Intelligence, Machine Learning & Deep Learning Embedded System Design and IoT (10-day experiential learning in Pune & Hyderabad)
- AWS Academy Graduate - AWS Academy Cloud Architecting
- MongoDB database admin path

Extracurricular:

- Active participant in cricket tournaments
- Fond of music and singing