Ayushi Dutta

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Summary

Technically skilled and articulate B.Tech Computer Science student with hands-on experience in web and AI-based projects. A **Hackathon winner** and **Best Delegate at Model United Nations**, recognized for strong communication, leadership, and analytical thinking. As former **School President**, I've developed decision-making and interpersonal skills that help me collaborate effectively and take initiative in dynamic environments.

Education

Degree / Qualification	Institution / Board	Year
B.Tech (Computer Science and Engineering)	Sikkim Manipal Institute of Technology, Majitar	2022–26
Class X (CBSE, **96.6%**)	Ryan International School, Faridabad	2022
Class XII (CBSE, **90%**)	Ryan International School, Faridabad	2020

Experience

Research Intern — Central Research Laboratory, India (Ghaziabad) — Jun–Jul 2024

- Contributed to a Weather Prediction Web App using real-time data APIs and frontend integration.
- Assisted in developing the national research portal **Swarna**, improving data retrieval speed by 30% and enhancing backend stability through optimized API calls.
- Collaborated with senior scientists to apply full-stack principles in live environments.

Projects

Live Search Weather App | React.js, Node.js — GitHub

- Built a responsive web application delivering 98% accurate real-time weather forecasts via live APIs.
- Designed a mobile-friendly, intuitive interface using React and Tailwind CSS for seamless user experience.

Image Classification Android App | Python, TensorFlow Lite — GitHub

- Developed and deployed a CNN-based model for fruit image classification directly on Android devices.
- Implemented a recommendation system suggesting fruit alternatives based on user dietary preferences.

Personal Finance Tracker | MERN Stack — GitHub

- Engineered a secure finance tracker with user authentication and personalized dashboards.
- Enhanced scalability through modular architecture and optimized MongoDB schema design.

Technical Skills

Languages:	Python, C, C++, Java, JavaScript, Kotlin
Frontend:	React.js, HTML, CSS, Tailwind CSS
Backend:	Node.js, Express.js, MongoDB, Linux, Authentication
Tools:	Git, NumPy, Pandas, Matplotlib, TensorFlow Lite
Concepts:	Data Analysis, Data Structures, Linux, Ethical Hacking, **Artificial Intelligence (AI), Machine Learning (ML), Natural Language Processing (NLP), Data Analytics**

Achievements & Certifications

- **1st Place — Web Development Hackathon:** Built a full-stack application within **24 hours**, evaluated on scalability, innovation, and design.
- **Best Delegate — Model United Nations:** Recognized for persuasive communication and leadership among 200+ participants.
- **Certifications:** Ethical Hacking, Data Analytics, App Development.