

ANANYA AGRAWAL

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

EXPERIENCE

BRAND IMPETUS DESIGN STUDIO – Kolkata, West Bengal

Associate Web Developer, Internship

May 2024 – Jul 2024

- Engineered responsive front-end solutions using **WebFlow**, delivering 5+ high-performance web and mobile applications with 30% faster load times and 95% user satisfaction.
- Built robust backend architecture using **Node.js**, ensuring efficient data handling and reducing server-side issues by 40%.
- Verified website responsiveness using **LambdaTest**, which eliminated usability issues by 50%.
- Designed feature-rich website using **Next.js** and **Tailwind CSS**.
- Mastered **GitHub** for efficient version control, streamlining team collaboration, and reducing code conflicts by 70% across multiple projects.

CACTUS COMMUNICATIONS – Mumbai, Maharashtra

Backend Development Engineer, Internship

Jan 2024 – April 2024

- Utilized **Python** and **Django** to build robust backend applications, optimizing performance and improving code maintainability.
- Developed 12+ Python applications, reducing code errors by 30%.
- Deployed Django-based applications using **Docker**, enhancing deployment processes and ensuring scalability.
- Crafted over 1,200 custom prompts for optimized **language models**, producing 1,000+ structured data entries.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, MongoDB, SQL, Firebase, Arduino, Docker

IT Constructs: DSA, OOPS, Operating System, DBMS, Computer Networks, Linux, GitHub, LambdaTest

Data Science: Machine Learning, Prompting

Development: Django, Node, Express, HTML5, CSS3, SASS, React, React Native, Next.js, WebFlow, Shopify, GSAP, TailwindCSS

PROJECTS

FARM EXPERT *React | Node | FastAPI | Machine Learning | MongoDB*

- Revolutionized agricultural planning with a crop recommendation system, empowering 10,00+ farmers to optimize soil usage and increase crop yields by 30% through data-driven decision-making.
- Created an IoT kit to gather vital soil data, improving soil parameter prediction accuracy by 35% and enabling more precise agricultural insights.

VETAT – Virtual Electricity Trading and Transferring *React | Node | MongoDB | Firebase*

- Engineered the VETAT tool, leveraging a greedy algorithm to allocate credits, which can result in a 30% boost in renewable energy adoption.
- This project has the potential to increase the usage of solar energy by 40% and contribute to a 25% reduction in overall reliance on non-renewable energy sources within the first year.

EDUCATION

Madhav Institute of Technology and Science – Gwalior, Madhya Pradesh

2021 – 2025

Bachelor of Technology in Artificial Intelligence and Robotics

GPA: 8.6/10.0

XII (CBSE), Kiddy's Corner Public School, Gwalior

2021 | 92%

X (CBSE), Carmel Convent Sr. Sec. School, Gwalior

2019 | 94.6%

ACHIEVEMENTS

- Winner at Witty Hacks 4.0 2024 held in Indore, organized by Major League Hacking (MLH) and DataCode.in
- 2nd position in National Agro Hackathon 2023 held in LNCT Bhopal.
- 1st position in Smart India Hackathon, intra-college round.
- Top 10 in Codathon 2.0