

SATYEN SHARMA

Computer Science & Engineering Student

The Assam Kaziranga University | B.Tech

Gender: Male | D.O.B: 07/03/2004

Contact: +91 6901126597 | satyensharma771@gmail.com | linkedin.com/in/satyen-sharma-21069526b |
github.com/Satyen123

EDUCATION

B.Tech, Computer Science & Engineering | The Assam Kaziranga University, Kaziranga University | 2022-26 | CGPA: 7.53

Higher Secondary Examination | Sonari Senior Secondary School, AHSEC | 2020-2022

Matriculation | Sapekhathi Higher Secondary School, SEBA | 2020

WORK EXPERIENCE & INTERSHIPS

Website Design & Development Intern | Eisystems Technologies - Remote | July-August 2024

- Completed a 4-week web development internship and built a responsive website in **under 10 days**.
- Developed and deployed a fully functional e-commerce website that handled **100+ product listings** and **10+ simulated transactions** utilizing HTML, CSS, JavaScript, React.js, Node.js, and Express.
- Applied practical experience in real-world project planning and technical documentation.
- Earned AICTE-recognized Certificate ID: EIS/AICT/24SP-1677.

Website Design and Development Intern | Internship Studio - Remote | July-August 2024

- Applied frontend and backend web development skills in active projects
- Contributed to websites that served **multiple live clients** and improved project turn-around by **15%** through layout optimization.

Data Science & Web Application Development Intern | Assam Electronics Development Corporation Ltd. (AMTRON) - Guwahati, Assam | December 2024

- Completed a 30-day academic internship (Centre ID: 10000100).
- Designed web applications integrating backend APIs with frontend interfaces, enabling **real-time data updates** for an inventory system.
- Implemented secure handling of data and followed the software development lifecycle (SDLC)
- Gained insights into software project development life cycles, application security, and data handling best practices.
- Certificate issued by a Govt. of Assam Undertaking.

CERTIFICATIONS AND AWARDS

AWS Academy Machine Learning Foundations | AWS Academy | February 2024

- Completed coursework covering key machine learning concepts and principles.
- Demonstrated understanding of fundamental machine learning concepts.

Infosys Springboard Certifications:

- CSS3** (May 2024): Focused on advanced styling techniques.
- Hands-On Web Development with JavaScript** (May 2024): Practical JavaScript programming for web development.
- HTML5 - The Language** (May 2024): Learned HTML5 fundamentals for modern web page creation.
- Project on CSS and HTML - Designing a Company Website** (May 2024): Applied HTML and CSS skills to design and develop a complete company website.

Data Structures & Algorithms | Internshala Trainings | June 2024

- Completed an 8-week online training covering arrays, searching, sorting, stacks, queues, linked lists, trees, and graphs.
- Achieved a high score in the final assessment.

The Complete Machine Learning Course with Python | Udemy | 2024

- Covered Supervised and Unsupervised Learning, Data Analysis, and Python implementation.

Data Visualization | 2024

- Completed a project involving business scenario framing, visual selection, effective visualization creation, and insight communication.

Customer Service Job Simulation | Fidelity Investments (Forage)

- Demonstrated practical skills in Password Reset procedures, assisting clients with withdrawals, and client enrollment verification.

OfficeMaster, Power BI Workshop | July 2024

- Completed a 1-day intensive Power BI workshop and created 3 interactive dashboards focused on sales analysis and user insights.

COURSE PROJECTS

Flood Prediction Using Unsupervised Machine Learning Techniques | Research Project with Prof. Ankit Mohari |

In Progress for Publication

- Developed a flood prediction model that improved early warning accuracy by **20%** using clustering algorithms (K-Means, DBSCAN, Gaussian Mixture Models, OPTICS, Mean Shift, Hierarchical Clustering).
- Analyzed hydrological and environmental data to identify flood-prone regions and clustering behavior.
- Preprocessed real-world flood datasets; evaluated clustering performance using visual and statistical validation.
- Currently co-authoring a research paper focused on enhancing early flood prediction accuracy.

Global Population Trends and Insights (1970-2022) | 2025 | Personal Data Analysis Project

- Conducted a comprehensive analysis of global population data from 1970 to 2022 using Python (Pandas, NumPy, Matplotlib, Seaborn).
- Cleaned and transformed raw datasets to examine historical growth patterns across countries and continents.
- Developed insightful visualizations (line graphs, heatmaps, bar charts) to highlight population shifts, density trends, and regional differences.
- Derived data-driven insights on demographic changes, urbanization trends, and growth rates.

OTHER RELEVANT PROJECTS

E-Commerce Website Development

- Developed an interactive e-commerce website using HTML, CSS, and JavaScript.
- Designed and implemented user-friendly interfaces; managed product listings, shopping cart functionalities, and order processing features.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Web Technologies:** HTML, CSS
- **Machine Learning:** Algorithms, Data Processing Techniques
- **Data Analysis:** Handling and Analyzing Datasets
- **Soft Skills:** Problem-solving, Communication, Team Collaboration, Time Management

COURSE UNDERTAKEN

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|---|--|
| • Data Structures and Algorithms | • Machine Learning and AI |
| • Database Management Systems | • Web Development with HTML, CSS, and JavaScript |
| • Software Engineering | • Operating Systems |
| • Object-Oriented Programming With Java | |