

SRUJAL SAU

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OBJECTIVE

I am an aspiring software developer and machine learning enthusiast with hands-on experience in building impactful, real-world projects integrating AI with web technologies. Proficient in C++, Python, Java, and frameworks like Flask and TensorFlow, with a proven track record of developing solutions such as *Surplus2Serve* for reducing post-harvest waste and *Sehat-Ka-Saathi* for streamlining healthcare workflows. Seeking opportunities to contribute technical skills and innovative problem-solving to build scalable, socially impactful software systems while continuing to grow in machine learning and full-stack development.

EDUCATION

BTech in Computer Science and Engineering, Amity University, Noida 2023 - 2027

CGPA: 6.47/10.0

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Networks

CBSE Senior School Certificate Examination, Bal Bhavan Public School, Delhi 2021 - 2022

Score: 90%

SKILLS

Technical Skills:

Programming Languages: C++, C, Python, Java

Machine Learning Technologies: TensorFlow, PyTorch, Scikit-learn

Frontend Technologies: HTML5, CSS3

Frameworks: Flask, Bootstrap

Data Visualization: Matplotlib, Seaborn

Soft Skills:

Problem Solving, Leadership, Communication, Time Management, Adaptability

EXPERIENCE

CyberCup Hackathon September 2024

Noida, Uttar Pradesh

- Enhanced responsive frontend components for a cloud-based platform using **JavaScript and Bootstrap** under a 24-hour hackathon constraint.
- Collaborated with a **cross-functional team of 5** to debug and optimize features, reducing UI load times by 30%.
- Contributed to real-time data visualization modules, improving user navigation and reporting efficiency for end-users.

PROJECTS

Surplus2Serve Developed a web-based platform using Fast API and React to predict spoilage risk in Indian agricultural commodities by integrating environmental, logistic, and commodity-specific factors. Designed a rule-based model and trained ML classifiers (XGBoost, Random Forest) to categorize produce into low/medium/high spoilage risk, achieving 95% accuracy on validation data. Implemented a dashboard for NGOs and supply chains to prioritize food redistribution, reducing post-harvest waste and improving food security. [\(Check it here\)](#)

Sehat-Ka-Saathi Sehat Ka Saathi is a web-application for providing one shot solution for doctors and patients. This will bring the entire doctor-patient appointment system to your fingertips making a seamless experience between both the parties. [\(Check it here\)](#)

EXTRA-CURRICULAR ACTIVITIES

- **Hackathon Competitions:** Led a cross-functional team to strategize and implement innovative solutions within tight deadlines.
- **Machine Learning Research:** Conducted independent research projects, exploring cutting-edge machine learning algorithms.
- **Certifications:** NPTEL Python for Data Science.