

Shruti Sajan

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SUMMARY

Highly motivated Computer Science Engineering graduate with a passion for developing innovative AI solutions. Practical proficiency in various programming languages, including C, Python and Java. Experienced in developing AI web applications and designing databases. Quick to learn and adapt to new challenges.

EXPERIENCE

AI Engineer Intern, AgrowIT, Startup June 2024 – April 2025

- Participated in the development of AI leveraging prediction system for Agriculture Industry.

Machine Learning Internship, Cognizance IIT Roorkee May 2022 – June 2022

- Designed and implemented ML models using advanced Python concepts, optimized workflows with libraries.

Event Co-ordinator, GDSC AJCE May 2023 – March 2024

- Volunteered with Google Developer Student Club (GDSC) to organize and support technical workshops.

EDUCATION

B.Tech, Computer Science & Engineering Ongoing
A P J Abdul Kalam Technological University 8.8 CGPA
Amal Jyothi College of Engineering, Kanjirapally

Plus Two May 2021
Central Board of Secondary Education 9.4 CGPA
The Indian School, Bahrain

TECHNICAL SKILLS

Languages: C, Java, Python , **Web Development:** HTML5, CSS, JS , **Database:** SQL
Courseworks: AI, Machine Learning , **Management of Software Systems:** Agile, SDLC

CERTIFICATIONS

5th International Conference on Expert Clouds and Applications(ICOECA 2025) 6-7, March 2025

- Presented our paper in the ICOECA Conference held at RV College of Engineering, Bengaluru, India.
- Paper ID: ICOECA-347
- Paper Title: Heartify: A Smart Ring Leveraging Federated Learning for Early Detection of Heart Diseases

Infosys Springboard August 2024

- Introduction to Artificial Intelligence, Introduction to Deep Learning, Introduction to Natural Language Processing

NPTEL Elite April 2024

- The Joy of Computing Using Python

PROJECTS

Heartify: A Smart Ring Leveraging Federated Learning for Early Detection of Heart Diseases

Major Project, July 2024 - April 2025

- Technologies Used: HTML, CSS, JavaScript, Django
- IoT-based application for wearable devices that leverages federated learning and real-time health monitoring to predict heart disease risks.

AgrowIT: Fertilizer Prediction and Crop Recommendation

Machine Learning and IoT Project

- Using the Random Forest Algorithm, we developed a system for accurate prediction of optimal crops and fertilizers
- By incorporating real-time data from IoT sensors, our model continuously updates to reflect current environmental conditions.
- Recognized by faculty audience as “Best Presentation” out of 30 teams in NACORE paper presentation.
- Kerala Startup Mission Funded Project, Ideafest 2023 selected project.

Summio: Youtube Transcript Summarizer

Mini Project, Python-Flask Project, January 2024-May 2024

- Provides the user the transcript of the given link, its summary, and its translated versions.

ACHIEVEMENTS

Participated in IEEE WIEHACK 4.0

May 2024

- National level Hackathon for women held by IEEE Wie Delhi Section

Participated in IEEEExtreme 17.0

October 2023

- Programming Competition held annually at global level.