Srishti Binwani

AI-ML Developer

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EDUCATION

MASTERS OF SCIENCE |
ONGOING |
PARIS, FRANCE

Artificial Intelligence Systems

B.TECH | MAY 2022 |
BIRLA INSTITUTE OF
TECHNOLOGY,
RANCHI, JHARKHAND

Information Technology
7.41 CGPA

AISSCE- 12TH | MAY 2018 |
DELHI PRIVATE SCHOOL,
SHARJAH

Physics, Chemistry, Mathematics
85.2%

SKILLS

TECHNICAL

C, C++, Java, HTML, CSS, Bootstrap, JavaScript, Basics of PHP, SQL, Data Structures, Python, Computer Vision, Machine Learning, Reinforcement Learning, Deep Learning.

Software Tools

Maven, Jenkins, Mockito, JDBC, ORM (Hibernate), Spring, Spring MVC, Spring Boot, API, Docker, Microservices, Jira, Bitbucket, SonarQube, DOJO, Linux Systems, Cuda, Pytorch, Airflow, Streamlit, MongoDB compass, PostgreSQL.

Soft Skills

Collaborative, proactive, adaptable, communicative, problem-solving, committed to continuous learning.

PROFILE

Aspiring machine learning engineer with experience in developing and deploying classification and detection models optimized for on-device usage. Passionate about leveraging data-driven approaches to solve complex business and social challenges. Proficient in machine learning, deep learning, and computer vision, with expertise in Python, C, and C++. Skilled in model training, optimization, and integration, with additional knowledge of SQL, jQuery, and PHP. Adept at exploring innovative solutions and driving impactful results in AI and ML applications.

WORK EXPERIENCE

Engineer | Samsung Research and Development, Delhi
07/2022 – 05/2023

- Prepared and annotated datasets to enable accurate model training.
- Developed classification models for identifying key categories.
- Designed and optimized detection models, evaluating performance against multiple approaches.
- Deployed the solution to devices for real-time usage, ensuring efficiency and scalability.

Java Developer Intern | Publicis Sapient, Bangalore
02/2022 – 07/2022

- Optimized codebase to enhance performance, scalability, and efficiency across projects.
- Developed modular, reusable components and robust storage libraries to streamline development.
- Designed and implemented innovative proofs of concept, driving new solutions and ideas forward.

Web Developer Intern | Retail Rush by GMC, India
02/2021 – 04/2021

- Diagnosed and resolved code issues to ensure seamless functionality across devices, browsers, and operating systems.
- Designed and implemented user interfaces using modern JavaScript frameworks, HTML5, and CSS3, delivering responsive and engaging user experiences.

LANGUAGES

Hindi, English, Arabic, Sindhi

ORGANIZATIONS

Leo Club, BIT Mesra
President |
July'21 – May'22

IEEE, BIT Mesra
Executive Member |
July'21 – May'22

Literary Society, BIT Mesra
Creative Director |
May'20 – June'21

National Service Scheme, BIT
Mesra Student Volunteer |
July'18 – May'20)

CERTIFICATIONS

Android and Core Java –2019
Network Management and Web
Development – 2019
Industrial Training – 2019
Geodata Processing using
Python and Machine Learning,
Indian Institute of Remote Sensing
(IIRS), ISRO, Dehradun **-** 2025

PROJECTS

FAMILY HUB

- Implemented a food recognition system using Inception V3 for classification and YOLOv5 for detection. Leveraged LabelImg for dataset annotation and optimized models for on-device deployment, achieving high accuracy and real-time performance in smart kitchen environments.
- [Food Recognition Solution](#)

AUTOMATED QUERY SEGREGATION SYSTEM

- Developed a query segregation system utilizing contextual bandits to automatically route customer complaints to relevant departments. Integrated NLP for intent detection and reinforcement learning for dynamic adaptability, reducing errors and improving operational efficiency.
- [Automated Query Segregation System](#)

GESTURE DETECTION

- Developed a touch-free TV control system using a camera to detect and interpret hand gestures. Implemented real-time hand tracking with MediaPipe and gesture recognition using CNNs and LSTMs. Mapped gestures to TV functions (e.g., swipe to change channels, fist to mute) with low-latency processing optimized for diverse environments. Enhanced user experience by offering a cost-effective, intuitive, and accessible interface without requiring additional hardware.
- [Gesture Detection in Television](#)

CRY CURE

- Developed a non-invasive, AI-powered solution for early diagnosis of neonatal asphyxia using infant cry analysis. Leveraged MFCC features and an SVM classifier to achieve accurate detection. Deployed via a mobile app built with Flutter, ensuring accessibility, cost-effectiveness, and scalability for resource-limited settings.
- [CryCure: Saving Newborn Lives through Artificial Intelligence](#)

PROMPT-TO-POETRY GENERATOR

- Designed and deployed an AI-driven system to generate contextually relevant poetry based on user prompts. Utilized GPT-based language models fine-tuned on diverse poetic datasets, enabling real-time generation of various poetic forms, including haikus, sonnets, and free verse.
- [Prompt-to-Poetry Generator](#)

STOCK EXCHANGE

- https://bitbucket.org/_srishti10_/stockexchange_team-3/src/master/
- Developed a Java-based program aligned with stock market regulations and guidelines, as outlined in the company's proof of concept (POC).