JAISHREE BASKARAN

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Objective

Machine Learning Engineer with experience in AI/ML development and a solid foundation in data science. Proficient in handling diverse datasets to perform pattern analysis, model building, and generate actionable insights. Experienced in applying data science techniques across multiple domains, including automation, analytics, and predictive modeling.

Education

SRM Institute of Science and Technology   *2026 Batch*

B.Tech in Computer Science and Engineering. **CGPA – 8.5**

- Specialized in domains such as Natural Language Processing, Database Management Systems, Advanced Programming Practices, and Data Transmission & Management.
- Topped core subjects including NLP, DBMS, APP, and DTM, with strong expertise across Machine Learning, Artificial Intelligence, Internet of Things, Robotics, and Operating Systems.

Anna Adarsh Matriculation Higher Secondary School   *2022 Batch*

Higher secondary school - 70% (physics, chemistry, mathematics and computer science)

- *Served as **Assistant Secretary** (2020–2021) and **Secretary** (2021–2022) of the **Cybernetics Club**, leading student technology initiatives.*
- Achieved recognition as **Winner of the Tech Debate Competition (2021)** and as a **futuristic tech idea producer** for innovative concepts.

Senior secondary school - 63%

- Explored space research through participation and wins in multiple space-related competitions.
- Participated in various Olympiads and quiz competitions.

Experience

SIMS hospital   *Chennai, Tamil Nadu*

Intern - Web App developer

- Engineered a full-stack media management system for SRM Groups using React, TypeScript, and Android TV.
- Enabled real-time content updates across 500+ connected devices, boosting user engagement by 30%.

Revature   *Chennai, Tamil Nadu*

Project Intern - AI/ML Developer

- Built an ML-based course recommendation engine for personalized training, improving relevance by 25%.
- Developed an AI-powered GitHub PR bot to automate code reviews, reducing review time by 40%.
- Enhanced the UI/UX of Revature's internal web portal, boosting user satisfaction by 20%.

Rotork   *Chennai, Tamil Nadu*

Project Intern - Software Engineer

- Designed and implemented a GUI to visualize actuator performance data, increasing data accessibility by 35%.
- Enabled real-time insights into operations, improving system monitoring efficiency by 40%.

Graphic designing (Freelancing)

- Delivered paid projects, honing skills in Figma, Photoshop, and Adobe Suite.
- Handled over 15 clients with the span of 2 years

Leadership

Association of Computer Science Engineers   Chennai, Tamil Nadu
President   *2025 - 2026*
- Spearheaded departmental and student council initiatives, driving academic and extracurricular growth through strategic leadership.
- Directed and motivated a high-performing team of 56 members, fostering innovation and collaboration across key projects.

Joint head of Creative design   *2024 - 2025*
- Orchestrated national-level events like Ubertech, overseeing design, registrations, and sponsorships with a focus on seamless execution.
- Led a dynamic team of 14, ensuring timely delivery and impactful event outcomes.

Campus overall Newsletter   Chennai, Tamil Nadu
Head of Student Editorial Team   *2023 - 2026*
- Led the student editorial team for *Espirito*, managing content creation, editing, and publication, increasing newsletter readership by 45% while ensuring on-time delivery.

Skills & Interests

Technical: Python, React, HTML, CSS, JavaScript, FastAPI, MySQL, TensorFlow, Bootstrap, PHP, Matplotlib, Power BI, Flutter, Pandas, node.js,Git.
Language: English (Proficient), Tamil (Proficient), French (A2), Hindi (Proficient), Korean (Conversational).
Design: Adobe Photoshop, Adobe Illustrator, Figma, Spline, Notion, Canva.
Data Science & AI: Machine Learning, Artificial Intelligence, NLP, Deep Learning, Transformers, Regression Models, LangChain, LLMs, RAG Applications, Data Mining & Analytics.
Interests: Astronomy, Dancing, Reading, Writing, Video editing, Animation, cooking.

Publication

F1 Race Performance Predictions Based on Weather Conditions - link
Developed an ML model to predict Formula 1 race performance based on weather conditions, utilizing data analysis, feature engineering, and machine learning algorithms to enhance race strategy insights.

Projects

RADAR Sensor System *- Built an Arduino-based radar using ultrasonic sensors for real-time object detection, improving detection accuracy by 25% and enabling applications in home automation, intrusion detection, and industrial safety.*

Write n site *–Created an ML system for handwritten text digitization using supervised learning, achieving over 92% character recognition accuracy and ensuring a user-friendly interface for practical, real-world usage.* [WnS](WnS)

Panda Management System - *Developed a React.js + Firebase app to catalog 200+ household items, reducing misplaced item incidents by 30% in the first month.* Panda.

Quantum Qulambu (Self-developed) *- Designing a full-stack South Indian food delivery and community app with exclusive recipe access, personalized health insights, and a loyalty rewards system aimed at boosting user engagement by 35% and promoting nutritional awareness.* [QQ](QQ)

Achievements

INTERNATIONAL Space Olympiad *– ranked 64th internationally out of 1800*	*2019 -2021*
Upgrad Abroad's Future leader scholarship Program *– High Distinction*	*Sep 2021*
RISE GLOBAL Challenge *– Quarter finalist out of 500+ international participants.*	*2020-2021*
Ideathon 4.0 by Team Hakathon of SRM *– 3rd place out of 200 teams*	*Feb 2023*

Volunteering

Chinmaya Mission *– Student Volunteer*	*2014 – 2019*
Narpani Foundation - *Community Volunteer*	*June 2024*
Muskurahat Foundation *– Fundraiser*	*July 2024*