

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CP
2023-2027	B.Tech Computer Science and Engineering	SRM Institute of Science and Technology, Chennai	9.01

EXPERIENCE

- **Samsung PRISM**

Mar 2025 – Aug 2025

Research Intern

Bengaluru (Hybrid)

– Developed scalable software architecture and pipelines processing **100K+ records** for predictive analytics, ensuring high product quality and business intelligence alignment.

– Implemented backend workflows for data ingestion, automation, and real-time processing utilizing Python, NumPy, and Pandas.

– Optimized application performance through data structures and algorithmic improvements, elevating model accuracy from **78% to 97%**.

– Collaborated within a cooperative team environment to design reliable software solutions, reviewing current developments to improve system reliability and efficiency.
- **resumerite**

Sep 2025 - April 2026

Backend Engineer Intern

Remote

– Designed and built backend software architecture supporting automated resume generation workflows.

– Implemented robust object-oriented programming (OOP) principles to create RESTful APIs and database models for scalable application development.

– Engineered and tested software features supporting placement workflows for **10,000+ students annually**, demonstrating strong time management.

– Collaborated with product and engineering stakeholders to define user requirements and deliver new platform functionality.

– Improved system efficiency and observability through backend service optimization and targeted automation.

PROJECTS

- **Decision Intelligence Platform (GitHub)**

Python, REST APIs, Object-Oriented Design, Machine Learning

Mar 2025 – Aug 2025

– Developed a full-stack software platform for analytics, forecasting, and business intelligence workflows.

– Designed and integrated RESTful APIs enabling real-time data processing and automated reporting capabilities.

– Implemented backend services handling large-scale datasets and dashboard integrations for monitoring operations at scale.

– Optimized API response latency to below **200ms** through efficient architecture, algorithmic optimizations, and query design.
- **FreshOps AI (GitHub)**

MongoDB, Amazon Web Services (AWS), Docker, REST APIs, C++

April 2026

– Developed a full-stack software application integrating machine learning algorithms for automated food recognition.

– Designed REST APIs supporting real-time inventory tracking, applying fundamental software engineering principles.

– Deployed scalable cloud-native services using Docker and **Amazon Web Services (AWS)**, ensuring high application availability.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python

• **Software Engineering:** Automation, Software Testing, Agile Methodologies

• **Backend & Cloud:** Amazon Web Services (AWS), Docker, Node.js, Express.js, FastAPI, REST APIs

• **Core CS:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Networks

• **Databases:** SQL, MongoDB

LEADERSHIP & ACHIEVEMENTS

- **Leadership & Teamwork:** Led **100+ members** as Director of Creatives Domain at NSCC SRM; coordinated cross-functional teams to execute large initiatives like **HackNova 3.0** (March 16), showcasing strong time management in a cooperative team environment.

• **Computer Science Fundamentals:** Demonstrated mastery of algorithms by solving **250+ problems** across **LeetCode** and **GeeksforGeeks**, covering dynamic programming, graph theory, recursion, and object-oriented design.

• **Hackathons:** Top 50 Finalist in **Smart India Hackathon (2024, 2025)**; **2× Hackathon Winner** - IntelliHack SRM (1st Post) and BITS Hyderabad All India Hackathon (**AIR 3**).

• **Research:** Published **Time-to-Stress Prediction in Precision Agriculture: A Dual-Head BiLSTM Approach with SHAP-Based Temporal Attention**; selected as a **Reviewer** for SMM4H-HeaRD 2026.

• **Open Source:** Contributed code, bug fixes, and feature improvements to **yourcoffeeshop** and **You-Dont-Need-JavaScript**; completed **Hacktoberfest**.