

Hemanath K

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Education

Sri Sairam Engineering College

Bachelor of Technology in Computer Science and Business Systems (CGPA: 8.1)

Expected May 2026

Chennai, Tamil Nadu

Sri Sankara Vidya Kendra Matriculation Hr. Sec. School

HSC (12th Grade) – State Board (Score: 89%)

May 2022

Chennai, Tamil Nadu

Experience

4i Apps Solutions Private Limited

AI & Machine Learning Intern

Jul 2024 – Aug 2024

Chennai, India

- Developed machine learning models to analyze datasets and generate predictions with measurable accuracy.
- Collaborated with cross-functional teams to deliver data-driven insights for product and business improvements.
- Applied Python libraries (NumPy, Pandas, Matplotlib, Scikit-learn) for preprocessing, visualization, and evaluation.
- Independently executed end-to-end ML projects from problem definition to final presentation.

Critter Graphix Private Limited

Web Developer Intern

Jun 2024 – Aug 2024

Chennai, India

- Developed responsive websites using HTML, CSS, JavaScript, and React, ensuring cross-device compatibility.
- Translated UI/UX wireframes into functional, user-friendly interfaces with modern design practices.
- Integrated MySQL/Firebase for backend operations including secure data handling and authentication.
- Contributed to full project lifecycle including requirement analysis, coding, testing, and deployment.

Projects

Personal Portfolio – React.js, Bootstrap, Firebase [Live](#)

- Designed and deployed a personal website showcasing skills, projects, and achievements.
- Interactive UI with React.js and smooth navigation.

Project Collaboration Website – React.js, Node.js, MySQL [Live](#)

- Developed a collaborative platform for managing, tracking, and joining projects.
- Implemented authentication, project creation, invitation system, and real-time updates.
- Integrated MySQL for secure user and project data management.
- Responsive UI with analytics dashboards for project management.

Movie Recommendation System – Python, Pandas, Scikit-learn [GitHub](#)

- Built content-based filtering system using cosine similarity.
- Analyzed user preferences and similarity scores to improve recommendations.

Loan Status Prediction – Python, Pandas, Scikit-learn [GitHub](#)

- Predicted loan approvals using classification models on applicant data.
- Data preprocessing: missing values, label encoding, model evaluation.

Technical Skills

Programming Languages: Java, Python, JavaScript, SQL, HTML, CSS

Web & Backend Development: React.js, Node.js, Express.js, Firebase, Bootstrap, Responsive Design

Databases: MySQL

Machine Learning: Regression, Classification, Predictive Modeling, Data Preprocessing; Libraries: scikit-learn, pandas, NumPy

Tools & Platforms: Git, GitHub, VS Code, Postman, Google Colab

Concepts & Practices: OOP, DSA, REST APIs, Problem Solving, 200+ LeetCode problems solved

Languages Known: English (Fluent), Tamil (Fluent), Hindi (Conversational)