SREEHARI J

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PROFILE SUMMARY

A dedicated Computer Science student with expertise in developing deep-learning models, analyzing network data, and building web applications. Proficient in programming languages and tools such as Python, SQL,Java, HTML, CSS, and JavaScript, with additional strengths in database management (MySQL, PostgreSQL) and frameworks like Bootstrap. Demonstrates strong problem-solving abilities, analytical thinking, and a detail-oriented approach to tackling technical challenges.

EDUCATION

Computer Science & Engineering | B.Tech   **2022-26**
    Amrita Vishwa Vidyapeetham, Vallikavu, Kollam

- *CGPA*: 8.35/10

Senior Secondary (XII)   **2019 - 21**
    Jawahar Navodaya Vidyalaya, Kottayam

- *Percentage*: 94.20

Secondary (X)   **2019**
    Jawahar Navodaya Vidyalaya, Kottayam

- *Percentage*: 92.80

PROJECTS

Heart Disease Prediction Model   *Dec 2024*
- Developed a machine learning model to predict heart disease using Random Forest on a Kaggle dataset.
- Applied `GridSearchCV` to fine-tune hyperparameters, enhancing overall model performance.
- Evaluated predictions using accuracy, precision, recall, and ROC-AUC to ensure robustness.

Lurnix – AI-Powered Learning & Content Transformation Platform   *June 2025*
- Developed a full-stack AI platform that converts uploaded documents into summaries, quizzes, podcasts, and video suggestions.
- Integrated Gemini for content understanding, ElevenLabs for podcast generation, and YouTube API for video enrichment.
- Built with React and Tailwind CSS frontend, and scalable Spring Boot backend with MySQL database.

Online Store Front-End Development   *Jul 2022 - Sep 2022*
- Developed the front-end for an online store using HTML, CSS, and JavaScript.
- Implemented responsiveness using Bootstrap.
- Utilized JavaScript for dynamic content and user interaction.

AI Interview Platform   *April 2025 - May 2025*
- Building an AI-driven interview platform utilizing React.js, Node.js, and MongoDB.
- Integrating AI-based question generation and real-time evaluation features.
- Ensuring a scalable and responsive system design to handle multiple user interactions efficiently.

Database Management System   *May 2022 - Jun 2022*
- Designed and implemented a database system for a library management application.
- Utilized MySQL and PostgreSQL for database creation and management.
- Implemented SQL queries for data retrieval and manipulation.

SKILLS

Programming Languages: Python, C, C++,Java
Web Development: HTML, CSS, JavaScript, Bootstrap, React.js
Backend Development: Spring Boot, RESTful API,Node.js, Express
Database Management: MySQL, PostgreSQL ,MongoDB
Data Science and Machine Learning: Deep Learning,Machine Learning, Data Analysis
Soft Skills: Problem-Solving, Team Collaboration,Effective Communication

AREAS OF INTEREST

Artificial Intelligence	Machine Learning	Deep Learning
Data Science	Cybersecurity	
Web Development	Computer Architecture	

INTERNSHIPS

Full Stack Development Intern | Nexospark, Kottayam   *Mar 2025 – may 2025*
- Designed and developed full-stack web applications using Node.js, Express, and MongoDB, creating RESTful APIs to enable seamless frontend-backend integration.
- Developed and integrated RESTful APIs with backend services and databases.
- Collaborated with cross-functional teams to conceptualize and deliver full-stack web solutions.
- Learned and applied best practices in version control, debugging, and deployment workflows.

CERTIFICATIONS

- **Certification in Space Science and Technology Awareness Training (START)**   *Sep 2024*
  - Completed a specialized course on AI, Machine Learning (ML), and Deep Learning (DL) along with data processing techniques and geospatial data case studies.
- **Walmart USA Advanced Software Engineering Virtual Experience Program on Forage**   *Nov 2024*
  - Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
- **Datacamp Certified: AI Fundamentals**   *Jan 2025*
  - Earned certification demonstrating proficiency in AI fundamentals,Including Machine learning,deep learning and neural networks

EXTRA-CURRICULAR ACTIVITIES

- Selection for Badminton Regional Level of Jawahar Navodaya Vidyalaya, held in Ongole, Andhra Pradesh.
    - Participated in the regional level tournament, showcasing advanced skills and sportsmanship in badminton.

SOCIAL OUTREACH

Cybersecurity Awareness Session   *Nov 2024*
- Taught school children about cybersecurity and the responsible use of the Internet.
- Focused on identifying common online threats and best practices for online safety.

LANGUAGES

- English, Hindi, Malayalam