

KAAVIYASHRI SARABOJI

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EDUCATION

MS in software engineering - Univ. of Wisconsin-La Crosse | Aug 2024 - May 2026 | GPA:3.25

MSc in Computer Science - Bharathidasan University, India | Jun 2021 - Apr 2023 | GPA: ~3.7

BSc in Computer Science - Bharathidasan University, India | Jun 2015 - Apr 2018 | GPA: ~3.6

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, R, JavaScript

AI/ML & Data Science: Scikit-learn, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib; Jupyter Notebook; Tableau; Power BI; PyTorch; YOLO; data cleaning, feature engineering, model evaluation, statistical analysis, hypothesis testing

Cloud-based analytics platforms: AWS, Google Cloud, BigQuery basics

Web Development: MERN (MongoDB, Express.js, React.js, Node.js), HTML, CSS, REST APIs

Tools: Git/GitHub, SQL/MySQL, IntelliJ IDEA, VS Code, Eclipse, Figma. Etc.,

PROFESSIONAL EXPERIENCE

Lab Assistant - Wings Lab (*Univ. of Wisconsin–La Crosse, La Crosse, WI | Sep 2024 – May 2025*)

- Supported students in programming (Python, Java, React.js) and AI/ML tool usage.
- Diagnosed/resolved technical issues, ensuring smooth lab operations.

Frontend Developer Intern (*7Angle, Chennai, India | Apr 2024 – Jul 2024*)

- Built and maintained React.js web applications with responsive design.
- Integrated REST APIs with backend systems, improving data flow and usability.
- Debugged and resolved cross-browser/UI issues in Agile environment.

Deputy Manager – Digital Banking Technology (*ICICI Bank, India | Jul 2020 – Jan 2024*)

- Utilized CRM systems and task dashboards to manage branch banking workflows, track client interactions, and improve service delivery.
- Developed Power BI dashboards analyzing 50k+ customer interactions for decision-making
- Coordinated with technology teams to test and implement digital banking tools such as mobile banking application, biometric authentication and chatbots, enhancing user experience

PROJECTS

- **AI-Driven System to Prevent Animal-Vehicle Collisions (Ongoing Research)** - a real-time wildlife detection system using Python, OpenCV, TensorFlow, and YOLO
- **Predictive Modeling (Python, Scikit-learn, Pandas):** Built regression & classification models for salary, insurance costs, buyer behavior, and chronic kidney disease detection.
- **Customer Segmentation (Clustering)** – Used unsupervised learning (K-means, DBSCAN) to cluster customers into behavioral groups for targeted strategies.
- **Placement Dataset Analysis** – Conducted univariate and bivariate analysis (ANOVA, hypothesis testing, correlation) on 500+ records; built visual dashboards in Tableau, Google Data Studio, and Power BI.
- **Zomato Restaurant Dataset (Exploratory Data Analysis)** – Analyzed customer ratings, costs, and location data; visualized trends using Seaborn, Matplotlib, and Tableau dashboards.
- **Habitat for Humanity Portal (Capstone, Ongoing)** - Designed MERN-based full-stack portal for housing applications and volunteer registration.

CERTIFICATIONS

- **Data Analytics Job Simulation** – Deloitte Australia / Forage | Aug 2025
- **Google AI Essentials** – Google | Aug 2025
- **AWS Educate Machine Learning Foundations** – AWS | Jul 2025

AWARDS AND HONORS

1st Place-3-minute Grad Project Competition | I-Engage Scholarship | Gold level-Chancellor's Volunteer Service Award