

BADHMASHARAN S

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SUMMARY: Motivated Software Development Engineer (SDE) with a strong academic foundation, holding a CGPA of 7.8 (up to the 4th semester). Proficient in full-stack development, cloud technologies, and data-driven problem-solving. Skilled in delivering innovative solutions through hands-on project experience and a commitment to excellence in software design and implementation.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Typescript, JavaScript, HTML, CSS
- **Front-end:** HTML, CSS, JavaScript, React.js
- **Back-end:** Java, Python, C++, Spring Boot, REST API
- **Database:** MySQL
- **Cloud Services:** **AWS Cloud Services:** Lambda, CloudWatch, API Gateway, IAM
Microsoft Azure: Comprehensive experience in Azure AI and NLP solutions
- **Design:** Responsive Web Design, User Testing, Data Visualization, Content Design
- **Development Methodologies:** Agile development practices, including iterative workflows and team collaboration
- **Core Skills:** Data Structures, Object-Oriented Programming, Problem-Solving

PROFESSIONAL EXPERIENCE

Spagylo Info Tech – Front End Developer Intern:

July 2024 – August 2024

- Collaborated with the product team to redesign the website for a local municipality client, leveraging Bootstrap, React, and JavaScript to enhance the user interface. Conducted user research and feedback sessions, resulting in a 20% improvement in website navigation efficiency and a 10% boost in engagement metrics.

PROJECTS

Agricultural Loan Platform:

- Developed a dynamic loan analytics dashboard using React, providing real-time insights into loan distribution, borrower demographics, and repayment trends, enabling data-driven decision-making for stakeholders.
- Engineered an agri-loan application platform with React and Spring Boot, implementing secure user authentication, resulting in a 25% reduction in loan processing time.
- Designed and maintained an SQL-based relational database to manage 500,000+ agricultural loan records, ensuring 99.9% system uptime and optimal query performance.

Food Donation and management:

- Designed and implemented a feature-rich food donation and management system using React for the frontend and Spring Boot for the backend, ensuring seamless user interactions and efficient donation tracking.
- Developed an algorithm to match food donors with nearby recipients based on location and availability, improving match efficiency by 30% and leveraging SQL for real-time data storage and retrieval.
- Integrated real-time location services and updates, leading to a 20% increase in successful donation deliveries and streamlining coordination between 500+ donors and recipients.

EDUCATION

BE in Computer Science and Engineering, Sri Krishna College of Engineering and Technology

October 2022 - Present

Higher Secondary Education in Computer Science, C S Academy

June 2020 - August 2022

ACHIEVEMENTS

- **MICROSOFT ASIA AI ODYSSEY CHALLENGE 2024:** Achieved **Top 500**, showcasing expertise in AI-driven solutions and a strong understanding of cutting-edge technologies.
- **Microsoft Natural Language Processing Solution with Azure AI Language:** Earned **certification**, gaining expertise in building and deploying NLP solutions using Azure AI services.
- **SCALA Hackathon 2023:** Shortlisted for demonstrating proficiency in innovative, collaborative development, and advanced technical skills in competitive programming.

LANGUAGES

English | Hindi | Tamil