




# Sachin Badiger

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## PROFILE

Enthusiastic Computer Science graduate with expertise in back-end development (Core Java, spring), and front-end (**HTML, CSS, JavaScript**), with hands-on experience in **SQL**. Delivered the award-winning Fullstack project "**Dairy Management System**" (First Prize) and developed "**YouTube ClickBait detection System**". Eager to leverage my technical skills and creativity in a Software Developer role to build innovative, scalable solutions.

## EXPERIENCE

### **Pentagon Space, Java Full Stack Development Intern**

- Developed and deployed a full-stack e-commerce web application using **HTML, CSS, JavaScript, React.js** for the frontend and **Spring Boot, Spring Data JPA, and MySQL** for the backend.
- Designed and implemented **RESTful APIs** and managed database operations using JPA with MySQL for efficient and structured data handling
- Integrated frontend and backend components, enabling features like product browsing, cart management, and secure **JWT-based user authentication**.
- Created responsive and dynamic user interfaces using React and handled state management for seamless user interactions.
- Ensured secure and scalable application development by implementing best practices in Spring MVC architecture and backend service design.

### **AI-Robosoft, AI/ML Intern**

- Developed a fraud detection system using Python, leveraging supervised learning techniques on highly imbalanced financial transaction data.
- Performed comprehensive data preprocessing, including feature scaling, PCA transformation analysis, and class distribution analysis to understand data behavior.
- Applied **NearMiss (undersampling)** and **SMOTE (oversampling)** techniques to balance the dataset and improve model learning efficiency.
- Implemented and compared various classification models such as **Logistic Regression, Decision Trees, and Neural Networks**, optimizing performance with precision, recall, and F1-score.
- Built a simple deep learning model using **TensorFlow/Keras** to evaluate performance against traditional ML algorithms.
- Documented findings and interpreted model evaluation metrics to support model selection and improve detection accuracy.

## SKILLS

**Programming Languages** — Java,Python

**Frontend** — React.js, HTMLCSS,JavaScript

**Frameworks** — Java EE, Spring MVC, Spring Data JPA, Spring Boot

**Database** — SQL

**Tools** — Postman,Eclipse,VS Code,STS,Swagger

**Automation** — Git and Github

## EDUCATION

**Bachelor of Engineering , Computer Science and Engineering,**  
**S.J.P.N Trust's Hirasugar Institute of Technology**  
CGPA - 7.20

2021 – 2024  
Nidasoshi, India

**Higher Secondary Education, Shri SLJ Pu college,**  
**Pre-University Board, Karnataka**  
Percentage - 71.5%

2018 – 2020  
Gokak, India

## PROJECTS

### **Randomizer Application**

Developed a mobile app using Java and Android Studio to automate lab exam management, including experiment allocation and number generation. Designed the UI with XML and Figma. The project won First Prize at the DBMS Mini Project Exhibition for its efficient design and database handling.

### **YouTube Clickbait detection System**

Using Python, HTML, CSS, and machine learning libraries, I developed a YouTube clickbait detection system that analyzes video titles and stats using ANN and CNN, achieving 73% accuracy. I handled model training with TensorFlow/Keras, implemented CNN for text analysis, and built the Flask-based web interface. The project won First Prize at the College-Level Exhibition and was recognized as the “Best Project of the Year 2024” by the Govt. of Karnataka.

### **Dairy Management System**

Using HTML, CSS, JavaScript, MySQL, and XAMPP server, I developed a web application to streamline various dairy processes such as report analysis, accounting, finance, and milk supply management. I was responsible for building the dynamic frontend using HTML, CSS, and JavaScript. The project was awarded First Prize at the DBMS Mini Project Exhibition for excellence in full-stack development and efficient database management.

## ACHIEVEMENTS

**Best Project of the Year 2024 - YouTube Clickbait detection System**

**First Prize at the DBMS Project Exhibition - Dairy Management System**

**First Prize at the Android Project Exhibition - Randomizer Application**

## CERTIFICATES

Introduction to Artificial Intelligence and machine learning

Spring 5 - infosys springboard