

# Aadithyaa R

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## EDUCATION

### Shiv Nadar University

Chennai

*Bachelor of Technology in Computer Science (Internet Of Things)*

*Aug. 2023 – Aug 2027 (Expected)*

## RELEVANT COURSEWORK

- Data Structures
- Computer Organization
- Digital Design
- Discrete Mathematics
- Software Engineering
- Database Management
- OOP
- Operating System

## PROJECTS

### **Pet-Attention** | *React, Node.js, MongoDB, Express.js, CSS, Media Queries*

- Developed a full-stack web application using React for the frontend and Node.js with Express and MongoDB for the backend.
- Implemented a Pomodoro timer with task tracking to enhance productivity.
- Designed a virtual pet feature that evolves based on task completion.
- Integrated MongoDB to store user tasks and implemented RESTful APIs for task management.
- Utilized React Router for seamless navigation across multiple pages.

### **Simple Blog Application** | *EJS, Node.js, MongoDB, Express.js, Bootstrap*

- Designed and developed a dynamic blog application with user authentication and content management features.
- Implemented CRUD operations for blog posts using MongoDB, ensuring efficient data storage and retrieval.
- Integrated EJS for server-side rendering, providing a seamless user experience with Bootstrap for responsive UI.
- Optimized application performance and security by implementing middleware in Express.js.

### **Finance Management System** | *Java, OOP, Swing, SQLite, JDBC, JFreeChart, Apache POI*

- Developed a GUI-based finance management application using Java and Object-Oriented Programming principles.
- Integrated SQLite database for persistent storage, enabling seamless tracking of income and expenses.
- Implemented data visualization using JFreeChart to display financial insights with interactive pie charts.
- Enabled CSV export functionality for detailed transaction analysis using Apache POI.
- Designed a scalable architecture, allowing future enhancements like multi-user authentication and cloud database migration.

## TECHNICAL SKILLS

**Languages** : Python, Java, C, C++, JavaScript

**Frameworks** : React.js, EJS, Express.js, Node.js, FastAPI, JUnit

**Developer Tools** : Git, Docker, TravisCI, Google Cloud Platform, VS Code, GitHub

**Libraries & Tools** : JDBC, JFreeChart, Apache POI, Swing, Bootstrap, Material-UI, React Router

**Databases** : MongoDB, MySQL, PostgreSQL

**DevOps & CI/CD** : Git, Docker, Google Cloud Platform

**Operating Systems** : Linux, Windows

## VOLUNTEER EXPERIENCE

### • National Service Scheme (NSS)

*Sept 2023 – Present*

- Actively contributed to campus-wide cleaning campaigns, fostering a cleaner and healthier environment.
- Participated in beach cleanup drives to promote community engagement and environmental sustainability.
- Attended environmental awareness sessions, deepening my understanding of conservation and sustainability practices.

### • Event Management Volunteer – Crowd Committee

*Invente , Instincts*

- Gained hands-on experience in large-scale event management by organizing and coordinating college's technical fest (Invente) and cultural fest (Instincts).
- Managed crowd control, ensuring smooth event operations and maintaining safety protocols.
- Collaborated with event coordinators to enhance audience engagement and logistics handling.