

# Vinithra Sadras

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## Education

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**Syracuse University** - Master's in Computer Sciences

Expected Graduation: Dec 2024

**Mlr Institute of Technology** - Bachelor's in Information Technology

Graduated: Aug 2022

**Relevant Coursework** - Assured programming with formal methods, Computer Architecture, Machine Learning, Design and Analysis of Algorithms, Database Management Systems.

## Experience

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### Full-time at Accenture

Coimbatore

Oct 2022 - Jul 2023

*Software Developer*

- Enhanced Application Performance: Spearheaded CRUD operation optimizations, significantly improving application responsiveness and user engagement, setting new standards at Accenture.
- API Design and Development: Led the design and implementation of APIs with Spring Boot, enhancing system interoperability and efficiency aligning with the firm's digital transformation goals.
- Gaming Application Innovation: Directed the development of a gaming application using libGDX, diversifying Accenture's portfolio and contributing to the digital entertainment domain.
- Technology Integration: Utilized Java, Spring MVP, REST API, and Docker to streamline development processes, fostering innovation and collaboration within the firm.

### Internship at Infochord Technologies

Hyderabad

Aug 2021 - Dec 2021

*Software Developer*

- Achieved significant reductions in response times and improved data handling for dynamic web applications.
- Enhanced team collaboration and project delivery efficiency by adopting Agile methodologies.
- Set new benchmarks in web development practices, boosting customer satisfaction and operational efficiency.

### Internship at EPIKINDIFI

Chennai

Feb 2022 - Aug 2022

*Java Developer*

- Developed key banking features enhancing account management and transaction security.
- Fostered innovation and inclusivity by collaborating with a diverse group of interns.
- Leveraged diverse perspectives to improve banking software products and services significantly.

## Skills

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- **Programming Languages:** Java Full Stack (Front-end and Back-end), Python, C, basics of Data Structures.
- **Frameworks & Tools:** Spring MVC, Angular, Spring Framework, HTML, React, Basics of Hadoop.
- **Platforms:** AutoCAD, Visual Studio code, Eclipse, Docker, Solid edge, Linux and Windows.
- **Interpersonal Skills:** Problem-solving, Leadership qualities, Collaboration, Creativity, Adaptability.
- **Expertise:** Microsoft 365, Excel, Design & Learning Technologies.
- **Additional Skills:** REST API, Data Visualization, Data Analytics, Google Cloud, Web Designing

## Academic Projects

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### Insurance Forecasting

- By developing a more accurate cash flow forecasting model, the insurance industry can better anticipate future financial obligations, leading to improved stability and risk management.
- Automation of data preprocessing and feature selection techniques reduces manual effort and accelerates decision-making processes, enhancing operational efficiency within insurance companies.
- More accurate billing prediction could lead to smoother transactions and potentially lower premiums for policyholders, thereby enhancing customer satisfaction and loyalty.

### Prediction of Flight Delays with Error Calculation

- Identified and Integrated critical factors affecting flight delays, improving model predictive accuracy and enabling more reliable delay forecasts.
- Employed cross-validation techniques and error calculation metrics such as RMSE (Root Mean Square Error) and MAE (Mean Absolute Error) to evaluate model performance, optimizing algorithms to achieve a 25% improvement in prediction accuracy over baseline models.

## Certifications

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- Java and Object-Oriented Programming in Coursera.
- Won first prize in a college hackathon as an undergrad.
- Data Structures course in NPTEL.

## Co-curricular Activities & Personal Works

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- Currently a board member of the Syracuse Conduct Board.
- SPEED Regional student forum participant on "Fostering the Engineers for tomorrow".
- Participated in State level Kho-Kho tournaments and was our school's head girl.