

Nikhil Sethuram Thenmozhi

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Education

University of Wisconsin, Madison

Sep 2022 - Dec 2025

BS, Computer Science (Major) & **BS, Data Science** (Major).

Cumulative GPA: **3.95**, Major GPA: **4.0**

- Academic Honors: 2 x Dean's List
- **Coursework:** OOP and Data Structures using Java, Machine Organisation and Programming using C, Data Science Modeling using Python, Discrete Mathematics, Machine Learning, Introduction to Computer Engineering, Linear Algebra

Experience

Coyna

Bangalore, Karnataka

Full-Stack Developer Intern

Jun 2023- Aug 2023

Worked as an intern to build a mobile payment service to meet the needs of the company's clients.

- Developed robust APIs using Spring Boot, JOOQ, and MySQL to ensure efficient processing of payment transactions.
- Played a key role in designing the UI for both mobile and web platforms, implementing captivating and user-friendly designs using AngularJS and TypeScript.
- To guarantee reliability and security, conducted comprehensive testing and debugging using tools such as Swagger UI and Postman.
- Implemented an AWS Textract-powered OCR service, enabling seamless extraction of invoice data upon user upload
- Designed and developed a subscription system that charged users based on their preferred payment schedule with the help of cronjobs.

EnrollBadge (enrollbadge.com)

Madison, WI

Founder, Developer

Jun 2023- Jul 2023

Led the development of a highly interactive and efficient web application providing UW Madison students with real-time notifications for course availability.

- Developed to tackle the recurring problem of students having to frequently login to check for open class seats.
- Scraped over **5000** courses meticulously to process and create a comprehensive database of classes offered in the fall semester
- Implemented various frontend features, including user authentication, course search, and dynamic content rendering, to enhance the overall user experience and improve usability
- Employed Python scripting to develop advanced filtering mechanisms for processing and optimizing course data, ensuring seamless integration with the front-end application.
- Finally, conducted comprehensive testing and debugging activities to identify and resolve any issues, ensuring the reliability and stability of the web application
- Serving a robust user base of over **1000** students at present.

Personal Projects

DragonLearn

Mar 2023- Apr 2023

- Web application aimed at providing personalized training to dyslexic children, focusing on addressing issues such as memory loss and reading comprehension through a series of fun and interactive mini-games.
- Worked on both the front-end and back-end aspects of the project, ensuring a seamless user experience.
- Created a user assessment web form using ReactJS to tailor the training based on the specific needs and challenges of individuals.
- Developed a game recommendation machine learning model using cosine similarity implemented in SciKit Learn with Python
- Developed a Flask API to establish communication and integrate the machine learning model into the front end.

Skills used: Node.JS, React.JS, Tailwind CSS, Python Javascript, R, Sci-kit learn, Flask, Postgres SQL

Layon

Feb 2023- Mar 2023

- Allows users to strategically and geographically plan their next career moves while avoiding the "layoff hotspots"
- Uses Python and Java for the backend, R for data cleaning. Worked extensively with CSV and JSON.
- Uses Scikit learn to train an AI model that predicts layoff for the next 5 years in every state.
- Uses Material UI, Javascript React.Js, Node.Js for front-end to implement an interactive map that displays the number of layoffs in the state
- Implemented an active slider that can be used to change the year and month to update the layoff data based on the new date.

Skills used: Node.JS, React.JS, Material UI, Bootstrap, Python, Javascript, Java, R, Postgres SQL

Technical Skills

- **Languages:** Java, Python, C, Javascript
- **Frameworks:** Spring Boot, JOOQ, React.js, Angular, Node.js, ExpressJS, Scikit Learn, Flask, Swing, Godot engine
- **Tools:** Git, AWS, MongoDB, MySQL, PostgreSQL, Postman, Docker, Swagger UI
- **Operating Systems:** MacOS, Windows, Linux **IDE:** IntelliJ, VS Code, Pycharm, Eclipse