

Nikhil Sethuram Thenmozhi

stnikhil2004@gmail.com Ph: 510.954.9766 He/Him github.com/NikhilSethuram linkedin.com/in/nikhilsethuramth

Education

University of Wisconsin, Madison

Sep 2022 - Dec 2025

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

Cumulative GPA: **3.965**

- Academic Honors: 3 x Dean's List
- **Coursework:** OOP and Data Structures using Java, Machine Organisation and Programming using C, Data Science Modeling I using R, Data Science Programming II using Python, Discrete Mathematics, 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

BuckyCourses

Nov 2023- Dec 2023

- AI chatbot utilising a fine-tuned LLM model to serve as an alternative to traditional advisors.
- Engineered the chatbot to assist students at UW-Madison in navigating their academic journey seamlessly, providing personalised insights into course details, major requirements, and Degree Audit Reports (DARS).
- Implemented LangChain's Pandas Dataframe Agent to enable data-driven Q&A, ensuring students have real-time access to accurate and relevant information for informed decision-making.
- Utilised Chainlit to design an interactive and visually appealing frontend, enhancing user experience and making academic planning intuitive and enjoyable.

Skills used: LangChain, Chainlit, Python, Sci-kit learn, Flask, Selenium

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, PostgreSQL

Technical Skills

- **Languages:** Java, Python, C, Javascript, R
- **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