NIRAJ BHATTA

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EDUCATION

Southeastern Louisiana University   **Hammond, LA**
Bachelor of Science in Computer Science, Scientific   *Dec 2025*
GPA: 4.0
Awards: Presidential List, Beginning Freshman Honors Scholarship, Integration Bee
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Software Engineering

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C/C++, C#, Python, TypeScript
- **Frameworks:** React.js, ASP.NET, Flask, LangChain
- **Technologies:** Firebase, Microsoft SQL Server, SCRUM, Mantine UI, Visual Studio, Git, GitHub, Jira

WORK EXPERIENCE

Southeastern Louisiana University   **Hammond, LA**
Computer Science Tutor   *Jan 2024- Present*
- Conduct specialized tutoring in computer science, focusing on fundamental concepts, algorithms, and data structures.
- Design lesson plans to meet individual learning needs, emphasizing hands-on coding exercises and practical applications.

Student Web Developer at Internet Resource Center   *Jan 2024 - Present*
- Collaborate with Dr. Minh Huynh and the team to develop websites and web applications, and oversee and manage applications built with .NET, Angular, and React.
- Currently working on LangChain under the guidance of Dr. Minh Huynh, focusing on the development of chatbots using his desired data and specifications

Mathematics Tutor   *Sep 2022 - Present*
- Deliver instructive **Finite Mathematics** and **Linear Algebra** classes, employing innovative teaching strategies to optimize student understanding and engagement.
- Conduct personalized tutoring sessions, cultivating improved problem-solving skills in diverse mathematical concepts to elevate student performance.

PROJECTS

Pao Pao Cat Feeder   *Jan 2024 – April 2024*
- Co-led a team in developing a smart cat feeder, integrating Raspberry Pi, motors, and software components like Flask and SQLite for the database to create an intuitive user interface and efficient automated feeding system for pets.
- Collaborated on strategic planning and task delegation, facilitating efficient team coordination and timely delivery of the cat feeder system. Created a comprehensive technical report outlining project architecture and outcomes.

SELU Thrift Store   *Sep 2023 - Nov 2023*
- Led group project to develop a fully functional e-commerce site. Engineered ASP.NET Core backend development and drove frontend enhancements with React.js and TypeScript for SELU Thrift Store.
- Incorporated React Context, Mantine UI, and Stripe API to optimize state management, enhance UI design, and ensure secure payment processing for an improved e-commerce experience.

Dipika's Artistry (Website)   *July 2023*
- Collaborated on an e-commerce platform for Dipika's Artistry, utilizing React.js, HTML, CSS, and Bootstrap to showcase the artist's creativity and expand audience reach.
- Implemented React hooks and CSS flexbox for enhanced front-end functionality and improved user engagement.

HONORS AND INVOLVEMENT

ULS Academic Summit   *April 2024*
- Presented an innovative E-library app for professors at the ULS Academic Summit, demonstrating strong collaboration, problem-solving, and technical skills while representing SELU among nine universities at LA Tech.

Up to US Leadership and Fiscal Policy Bootcamp   *Feb 2024*
- Contributed to strategic policy development, addressing financial challenges, and secured 2nd place with an impressive fiscal policy presentation.