

ANJAN MANDAL

📞 3186907227

✉ anjanmandal2076@gmail.com

🌐 www.linkedin.com/in/madalak

📍 Monroe, LA-71203

EDUCATION

Computer Science

University Of Louisiana at Monroe

📅 August 2022 – May 2026

- Honors Program
- Data Structure and Algorithm
- Computer Organization and assembly language programming
- Object Oriented Programming
- Discrete Mathematics for Computer Science

EXPERIENCE

Software Engineering Intern

National Innovation Center (NIC), Research Center in Science & technology

📅 August 2021 - December 2022 📍 Nepal

- Elevated efficiency by 50% in approximately 40% of full-stack projects through the strategic integration of React and Django, incorporating key libraries such as React Router, Redux, Axios, Styled Components, Material-UI, Django ORM, and Django REST Framework for an optimized web development workflow.
- Implemented new technologies like Arduino and Raspberry Pi, incorporating them into diverse projects.

Java Tutor

Alpine Higher Secondary School

📅 January 2021 – March 2022 📍 Nepal

- Boosted high school students' Java programming skills by 80% in three months through effective instruction and hands-on projects.

Committee Head

US Embassy Book Bus Nepal, American Spaces in Nepal

📅 March 2022 - August 2023 📍 Nepal

- Selected as one of the 1,000 individuals nationwide for a year-long initiative.
- Published a paper on Assembly Language, resulting in a 50% improvement in the understanding of programming concepts among children in remote areas.

OFP Grantee

Opportunity Fund Program, USEF Nepal

📅 May 2021 – February 2022 📍 Nepal

- Selected as one of 2,000 nationwide participants in a 12-month program offering expert guidance on U.S. universities and financial support.
- Witnessed a substantial improvement in my interpersonal abilities and communication skills within a year as a direct outcome of participation in a diverse range of seminars and workshops.

SKILLS

Technical Skill

Java Python JavaScript CSS React HTML C++ Numpy
x86Assembly Node.js SQL Git/GitHub Django Angular

PROJECTS

Actively engaged and made significant contributions to all these projects while being mentored and guided by the National Innovation Center (NIC).

Okay Journey

Full Stack Developer

📅 August 2021 – December 2022

- Implemented performance and capacity optimization techniques, which involved reducing HTTP requests and utilizing CDN services, resulting in a quantifiable 50% enhancement in user experience.
- Collaborated with senior developers to unveil the website and contributed to a remarkable 10% enhancement in transportation convenience across Nepal.

Blind Spot Detection

📅 December 2021 - August 2022

- Innovated a specialized processing device to seamlessly support ARCore, achieving significant advancements in real-time augmented reality experiences.
- Prevented the accidents caused by blind spots in the hilly regions of Nepal.

Smart Service Robot (Bini), Vikat Robotics

📅 May 2022 – December 2022

- Utilized C++ skills in robot control and real-time systems, resulting in a 30% performance boost and securing Microsoft for startup support.
- Launched Bini URDF within the Gazebo simulation framework for efficient robot testing and validation, reducing hardware testing needs.

VOLUNTEERING

Web Developer

ACM Student Chapter at ULM

- Actively participated in all the coding contests organized by ACM. Also secured third position in the Programming Contest sponsored by Praeses.

Web Developer

Google Student Development Club (GDSC)

- Conducted 10 diverse workshops, 5 seminars, and 15 training sessions covering technology topics, programming languages, and development tools, resulting in a 50% increase in student engagement.

Head of Committee

Campus Activity Board (CAB)

- Served as the Chair of the Athletics Committee within the CAB at ULM.
- Managed key on-campus events like Homecoming, Lunch Socials, and the Miss ULM competition in collaboration with CAB members.