



ADITI SHARMA

Biomedical Undergraduate

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🌐 [Aditi Sharma](#)

PROFILE INFO

I am an energetic and ambitious individual, always eager to take on new challenges with a mature and responsible attitude. I am a confident, detail-oriented person who aims for perfection and my goal is to make a positive impact on humanity and inspire others to do the same. With a passion for innovation and a commitment to continuous improvement, I aim to leave a lasting legacy of positive change wherever I go.

EXPERIENCE

President, IAESTE India- LC Karunya Oct'22 - Present

- Coordinated a team of 80+ students to secure and facilitate paid internships for over 30 students from 15 different countries, enhancing international exposure and opportunities.
- Represented the university at the National Conference held at Manipal University, Udupi, contributing to academic and professional discourse.

Biomedical Intern, Siemens Healthineers May'23-Jul'23

- Participated in comprehensive in vitro and in vivo site visits at Siemens Healthineers, gaining firsthand experience with advanced biomedical technologies.
- Engaged in cross-functional collaboration with research and development teams to provide feedback on product design and functionality based on real-world usage experiences.

QC Intern, Gracure Pharmaceuticals Ltd. Jun'22-Jul'22

- Gained hands-on experience in conducting tests, analyzing data, and ensuring compliance with regulatory standards to maintain product quality.
- Assisted in the implementation and monitoring of quality control procedures to ensure product integrity and regulatory compliance.

Biomedical Intern, Sania Hospital Dec'21-Jan'22

- Participated in patient care activities, observing the positive impact of biomedical engineering on patient outcomes.
- Contributed to maintaining and calibrating medical equipment for optimal functionality in critical healthcare settings.

EDUCATION

2021 - 2025 | KARUNYA UNIVERSITY

BTech | Biomedical Engineering (AI & ML)

- Continuously striving for perfection and excelling in every aspect of college life, from academic pursuits to extracurricular activities, demonstrating a commitment to continuous improvement and success.

2018| CENTRAL ACADEMY SCHOOL

Class 12 | CBSE | PCB

- Maintained focus on studies while actively participating in extracurricular activities, demonstrating time management and dedication.
- Cultivated a passion for yoga, balancing academic pursuits with personal well-being and holistic development.

2016| ARMY PUBLIC SCHOOL

Class 10 | CBSE

- Demonstrated leadership, discipline, and teamwork skills through participation in the National Cadet Corps.
- Active participant and excelled in various extra curricular activities.

PROJECTS

Machine learning/Deep Learning based approach for classification of children with ADHD and Healthy Controls

This project employs advanced machine learning and deep learning techniques to classify children with ADHD and Healthy Controls based on neuroimaging or behavioral data.

Melanoma Detection Using Image Processing Techniques

By analyzing images of skin lesions, this project aims to identify features indicative of melanoma, enabling early diagnosis and intervention for improved patient outcomes and survival rates.

Fingerprint Recognition and Basic Body Parameters measuring module

An advanced Smart Biometric System combines fingerprint recognition and infrared temperature sensing for enhanced security and health monitoring in hospitals, schools, and offices, offering real-time data transmission and affordability. It involves integrating biometric technology with physiological monitoring to create a comprehensive health assessment tool.

Capacitance based Bubble Detection in IV Lines and Syringe pumps

This project implements capacitance-based bubble detection technology in intravenous lines and syringe pumps, enhancing patient safety by efficiently identifying and preventing air bubbles in medical fluid delivery systems.

OTHER

Programming Languages: C, C++, MATLAB, Embedded C, Python

Softwares: Microsoft Office, LabVIEW, AutoCAD, EAGLE

Skills: Critical Thinking, Leadership, Problem Solving, Communication, Research, Networking, Teamwork, Strategic Planning, Graphic Designing

DECLARATION

I hereby declare that the facts given above are genuine to the best of my knowledge and belief.



(ADITI SHARMA)

PARTICIPATIONS

- Project presentation at National Level Symposium
- Attended various ideation and problem-solving workshops
- Attended workshop on Human Machine Interface at Kumaraguru College
- Represented University at National Conference of IAESTE India at MAHE
- Attended IBCIINN Conference at KU
- Paper presentation at ICB International Conference at SRMIST
- Participated in Mindkraft, a National level Techno-Management fest

CERTIFICATIONS

- Quality in Pharmaceutical Industry (GMP & GLP & GHP)
- Pharma Computer System Validation (CSV & Quality)
- Google Data Analytics
- Google Project Management
- Genetic Engineering
- Data Analytics with Python
- Bioengineering
- Technical English for Engineers

ACHIEVEMENTS

- Received Merit Scholarship in the University worth 40,000 INR
- Received project funding of 25,000 INR from Harvard Medical School and Boston Children's Hospital
- Received 'All-Rounder Student award' in School