**Note: Please add the projects and research paper I worked on during my semesters, including the technologies used in each project, to my resume for more detail. Additionally, please provide the resume in both DOC and PDF formats so I can easily add any other projects in the future.**  
 **PROJECTS TO ADD:**

1. **BLOCKCHAIN-BASED SOCIAL MEDIA PLATFORM**  
   • Developed a decentralized social media platform using Solidity and integrated with Polygon Mumbai blockchain to address data ownership and fair revenue distribution.  
   • Implemented Lens Protocol for users to mint posts as ERC1155 tokens, enabling monetization on various marketplaces.  
   • Utilized Stable Diffusion for image generation from text, enhancing user engagement and creativity.  
   • Integrated OpenZeppelin Defender Relayer for gasless minting of tokens, reducing barriers for new creators entering the blockchain space.
2. **HOSPITAL MANAGEMENT SYSTEM**  
   • Developed a modern web-based hospital management system to enhance interaction between patients, doctors, and administrators, facilitating improved administrative management and digital transformation of healthcare services.  
   • Implemented a dynamic user experience using React.js for a declarative approach to UI development, ensuring efficient, interactive interfaces.  
   • Utilized Node.js and Express for backend development, enabling efficient data processing, application logic, and server-side rendering of React components.  
   • Designed features for viewing doctor availability, scheduling appointments, and ensuring data privacy to prevent appointment clashes.  
   • Employed MySQL for reliable data management, offering scalability and performance for mission-critical healthcare applications.  
   • Incorporated JavaScript throughout the application for enhanced interactivity and responsiveness.
3. **PYTHON SERVER WITH MULTI-THREADED CLIENT HANDLING**  
   • Developed a basic Instant Messaging (IM) system using Python, featuring a multi-threaded server that handles multiple client connections simultaneously.  
   • Implemented a socket-based communication model, allowing users (user1, user2, user3) to send and receive messages in real-time.  
   • The server listens on a specified IP address and port, establishing connections and spawning new threads for each client to facilitate independent communication.  
   • Enabled message exchange through a text-based format, allowing clients to initiate conversations and send exit commands to terminate sessions.  
   • Utilized Python's socket and threading modules to create a reliable and efficient communication framework, improving user interaction in a concurrent environment. **RESEARCH PAPER:**
4. **INTEGRATING BLOCKCHAIN AND AI IN HEALTHCARE**  
   • Investigated the synergy between blockchain and AI technologies in the healthcare sector, highlighting improvements in data security, interoperability, and patient outcomes.  
   • Analyzed AI applications such as accelerated diagnoses and personalized medicine, noting increased adoption rates in larger hospitals versus smaller clinics.  
   • Reported that facilities utilizing AI/blockchain tools achieved a 21% boost in patient satisfaction, resulting from enhanced diagnostic accuracy and secure electronic health records.  
   • Addressed challenges in the integration process, emphasizing the need for standardization, ethical considerations, and regulatory clarity to facilitate transformative changes in healthcare practices.