SHANMUKHA CHAKRA GOVINDU KUMAR MAGAPU
MS IN COMPUTER SCIENCE
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EDUCATION

Narayana Jr College   **2017-19**

12th Grade (secondary school graduate)   **CGPA: 9.88**
Relevant Coursework: Maths, Physics, Chemistry
(94.1%)

University of Engineering and Management, Kolkata, India   **2020 - 2024(present)**

Bachelor of Technology in Computer Science and Technology   **CGPA: 9.49**
Relevant Coursework: Data Structures and Algorithm | Software Engineering | Database Management | Operating Systems | AI and ML|Computer Architecture

ACADEMIC PROJECTS

Green Sight Problem Statement from Coal India   **Jun 2023 - Present**

- Led Green Sight Project at Smart India Hackathon, emphasizing Image Data Analysis
- Developed computer vision algorithm for tree detection in satellite imagery
- Topped inter-university Internal Hackathon, excelling in website-machine learning model connections as a React Developer

Real-Time Fraud Detection and React-Js Applications building   **Mar 2022 - Nov 2023**

- Developed Efficient Full Stack Machine Learning Infrastructure for real-time fraud detection in financial transactions
- Integrated cutting-edge ML techniques, scalable architecture, and continuous learning mechanisms for adaptive defence against evolving fraud activities
- Applied application development tools like Apache Kafka, AWS, Google Cloud Platform, Docker, and Tensor Flow basics to enhance real-time fraud detection capabilities
- Built responsive websites using React JS, Full Stack and MongoDB and clones of multi-national companies

SQL Database Food Ordering Application   **Feb 2022 - Mar 2023**

- Spearheaded SQL database integration for admin panel and user frontend, optimising data handling
- Developed a user-friendly website using React and PHP, prioritising seamless user experience
- Enabled collaborative frontend-backend integration with APIs and data flow diagrams for enhanced functionality

RESEARCH PAPER

Central Bank Digital Currency (CBDC) and Application Development   **Jun 2023 - present**

- Researched and authored a paper on Central Bank Digital Currency (CBDC) and Application Development
- Gained in-depth insights into the workings & architecture of digital currency, with a focus on CBDC Application Development
- Explored technical aspects, security, privacy considerations, and challenges associated with implementing CBDCs in India
- **Publication Link:** https://www.ijraset.com/research-paper/central-bank-digital-currency-and-application-development

Efficient Full Stack Machine Learning Infrastructure for Real-Time Fraud Detection in Financial Transactions
                                                                                                                                Mar 2023 - Dec 2023
- Gained an in-depth knowledge of a scalable, cloud-native architecture, enabling rapid scaling and near-instantaneous fraud detection through real-time data processing
- **Publication Link:** https://joics.org/vol-13-issue-12-2023/

WORK EXPERIENCE

Software Developer Associate (Intern) | Legal Seva, Bangalore(Hybrid)   **Aug 2022**

- Led design and implementation of enterprise applications, streamlining operations for law practices
- Innovated development of Legalseva, making online lawyer consultations more accessible and cost-effective
- Engineered resilient web and mobile applications, ensuring smooth delivery of legal services
- Spearheaded creative solutions to diverse legal needs, emphasising effectiveness and innovation
- Directed the creation of user-friendly digital solutions, optimising lawyer consultations and legal service delivery
- Led initiatives to transform online lawyer consultations, improving accessibility and affordability for users

Developer workshop (Intern)| ICCW   **Dec 2022**

- Created a website from scratch using HTML, CSS, and JavaScript for a project simulating the water health nexus of a rural village

- Added many sections (about, home, images, activities, and contact us) to showcase works carried out by the digital team of ICCW
- Optimized the website for slow internet speeds to ensure complete performance on tablets and mobile phones

EXTRACURRICULARS

- Secured cups and multiple medals at the Mandal-level badminton competition
- Participated in inter-university badminton tournaments, showcasing athletic prowess
- Volunteered and participated in the development tech team for URECKON TECH FEST, the largest tech fest in the university
- Participated in the Smart India Hackathon addressing the Green Sight Problem Statement from Coal India, focusing on computer vision for accurate tree detection in forest areas
- Participated in a poster competition in 2022 and showcased creative skills
- Attended a Full Stack Development Workshop at IIM Bangalore and received a letter of appreciation from the CEO for work
- Contributed to community service by distributing books at a children's orphan home

SKILLS

Languages: English (Proficient) | Hindi (Proficient) | French (Basic) | Spanish (Basic) | Telugu (Native)
ICT: Java |JavaScript | React JS | C | MySQL | Data Science | Node | Express | Redux | Api Handlings | Full Stack | jQuery | Git | GitHub | Data Base Management Systems | Data Structures | Algorithms | Compiler Design | Computational Problems Solving |
Certifications: Database Management System (NPTEL) | Artificial Intelligence (MyCaptai) | Java Programming (MyCaptain) | Web Development (MyCaptain) | Full Stack Development (MyCaptain) | The Ultimate Data Structures and Algorithms (Code with Mosh) | Git Professional Certification from Linkedin(professional) |LinkedIn Software Developement Certification

SCHOLARSHIPS

Received two scholarships worth around 2000$ (dollars) which was equivalent to 1,40,000 INR during my bachelor's from the IEM-UEM ALUMNI FOUNDATION

HOBBIES

Badminton, Gym, Exploring New Places, Watching Movies