

SHANMUKHA CHAKRA GOVINDU KUMAR MAGAPU

shanmukhamagapu@gmail.com | +91 7075667333 | portfolio: <https://shanmukh-magapu-portfolio.netlify.app/> |
LinkedIn: <https://www.linkedin.com/in/magapu-shanmukh-a6639520b/> | Github: <https://github.com/SHANMUKH405>

EDUCATION

Narayana Jr College	2017-19
12th Grade (secondary school graduate) Relevant Coursework: Maths, Physics, Chemistry	CGPA: 9.88 (94.1%)
University of Engineering and Management, Kolkata, India	2020 - 2024(present)
Bachelor of Technology in Computer Science and Technology Relevant Coursework: Data Structures and Algorithm Software Engineering Database Management Operating Systems AI and ML Computer Architecture Statistics	CGPA: 9.49

ACADEMIC PROJECTS

Green Sight Problem Statement from Coal India	Jun 2023 - Present
<ul style="list-style-type: none">Led Green Sight Project at Smart India Hackathon, emphasizing Image Data AnalysisDeveloped computer vision algorithm for tree detection in satellite imageryTopped 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
<ul style="list-style-type: none">Developed Efficient Full Stack Machine Learning Infrastructure for real-time fraud detection in financial transactionsIntegrated cutting-edge ML techniques, scalable architecture, and continuous learning mechanisms for adaptive defence against evolving fraud activitiesApplied application development tools like Apache Kafka, AWS, Google Cloud Platform, Docker, and Tensor Flow basics to enhance real-time fraud detection capabilitiesBuilt responsive websites using React JS, Full Stack and MongoDB and clones of multi-national companies	
SQL Database Food Ordering Application	Feb 2022 - Mar 2023
<ul style="list-style-type: none">Spearheaded SQL database integration for admin panel and user frontend, optimising data handlingDeveloped a user-friendly website using React and PHP, prioritising seamless user experienceEnabled 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
<ul style="list-style-type: none">Researched and authored a paper on Central Bank Digital Currency (CBDC) and Application DevelopmentGained in-depth insights into the workings & architecture of digital currency, with a focus on CBDC Application DevelopmentExplored technical aspects, security, privacy considerations, and challenges associated with implementing CBDCs in IndiaPublication 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
<ul style="list-style-type: none">Gained an in-depth knowledge of a scalable, cloud-native architecture, enabling rapid scaling and near-instantaneous fraud detection through real-time data processingPublication Link: https://joics.org/vol-13-issue-12-2023/	

WORK EXPERIENCE

Software Developer Associate (Intern) Legal Seva, Bangalore(Hybrid)	Aug 2022
<ul style="list-style-type: none">Led design and implementation of enterprise applications, streamlining operations for law practicesInnovated development of Legalseva, making online lawyer consultations more accessible and cost-effectiveEngineered resilient web and mobile applications, ensuring smooth delivery of legal servicesSpearheaded creative solutions to diverse legal needs, emphasising effectiveness and innovationDirected the creation of user-friendly digital solutions, optimising lawyer consultations and legal service deliveryLed initiatives to transform online lawyer consultations, improving accessibility and affordability for users	

- 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 food at children's orphan home

SKILLS

Languages: English (Proficient) | Hindi (Proficient) | French (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