

MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

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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 websites 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 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

- Researched a machine learning infrastructure for real-time financial fraud detection
- Gained an in-depth knowledge of a scalable, cloud-native architecture, enabling rapid scaling and near-instantaneous fraud detection through real-time data processing

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

HOBBIES

Badminton, Gym, Exploring Places, Movies