

# Gana Jayant Sigadam

GitHub | LinkedIn | Portfolio

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## SKILLS

Programming Languages	C, Java, Python, JavaScript, TypeScript
Databases	MySQL, SQLite3, MongoDB, Redis, Firebase
Frameworks	Node.js, Express.js, React.js, PyTorch, Next.js
Other Tools	Git, GitHub, Visual Studio Code, Linux, Postman, Docker
Coursework	Data Structures & Algorithms, Object Oriented Programming, Database Management Systems, Machine Learning & Deep Learning

## EXPERIENCE

**Back-end Developer Intern | Node.js, MongoDB, FCM** March 2023 – May 2023

*ApnaKonec*

- Boosted user engagement and activity by 25% through the implementation of community posts using Node.js and MongoDB.
- Secure user experience by implementing strong email authentication measures, increasing app security by 15%.
- Improved overall system performance and responsiveness by optimizing and fine-tuning database queries, resulting in a 75% reduction in query time.
- Contributed to the code production process for the App Store, guaranteeing a successful launch, meeting all quality and performance benchmarks.

## PROJECTS

**Celestial** Feb 2022 – Apr 2023

- Developed an interactive social media web app for stargazers that enables seamless user interaction through posts and messages.
- Enhance app security and prevent unauthorized access by implementing JWT authentication for user accounts.
- Optimized route latency and improved system performance for users by revamping caching strategies, resulting in an 80% reduction in response time.
- Implemented a robust technology stack comprising Node.js, React.js, Express.js, MongoDB, and Redis.

**Predicting DTI using Graph Convolutional Network** Feb 2023 – Apr 2023

- Designed and assessed GCN model to accurately predict DTI based on graph structures and molecular features.
- Achieved a notable train accuracy of 87% and a test accuracy of 84%.
- Conducted analysis on a data-set of 17,043 samples, implementing a rigorous train/test split of 13,634/3,409 samples to ensure accurate model training and validation.

**Remote Sensing Change Detection** Jan 2023 – Present

- Implement Advanced U-Net models, to detect changes in BiTemporal Images & Trained models on a LEVIR-CD dataset with a train/test split of 80%/20%.
- Attained 94% accuracy and produced only 0.076 loss on the test dataset.

**Zero Day** Oct 2022 – Nov 2022

- Constructed a React Native chat application specifically designed for mobile users, teaming up with a group of 3 people.
- Demonstrated exceptional proficiency in implementing Firebase's real-time chat feature, resulting in an impressive 90% message delivery rate.
- Crafted a mobile application using React Native, Firebase.

## EDUCATION

**Indian Institute of Information Technology, Sricity** Dec 2020 - Present

*Bachelor of Technology, Computer Science and Engineering*

- CGPA: 8.78/10

## ACHIEVEMENTS

**GATE CS 2023** Feb 2023

- Demonstrated exceptional performance in GATE-2023(CSE) by securing an impressive rank of 1915, reflecting a strong grasp of key concepts and dedication to continuous learning in the field of Computer Science and Engineering.

**Competitive Programming** Present

- Showcased proficiency by overcoming over 800+ problems with 1636 maximum contest rating along with community views around 42K on LeetCode.

**Wikimedia Hackathon** Feb 2023

- Contributed to Wikimedia Foundation's open-source tool as part of the selected team among 120 participants at the IIIT Hyderabad-hosted Hackathon.

## POSITION OF RESPONSIBILITY

**Core Member – Matrix ( Data Science Club), IIIT Sricity** March 2023 - Present

- Steered the successful organization of the Analytics Arena Hackathon, engaging more than 110 applicant teams and honoring the top 3 participants with valuable prizes.