

Khatravat Goutham Rathod

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EDUCATION

**INDIAN INSTITUTE OF
ENGINEERING SCIENCE
AND TECHNOLOGY, SHIBPUR**
BTECH IN COMPUTER SCIENCE AND
TECHNOLOGY
Dec 2020 - May 2024
CGPA: 8.09

NARAYANA JUNIOR COLLEGE

Score: 940/1000
Grad. Apr 2019 | Hyderabad, India

COURSEWORK

UNDERGRADUATE

Computer Networking
Programming Paradigms
Operating Systems(OS)
Artificial Intelligence(AI)
Database Management System (DBMS)
Cryptography and Network Security
Object-Oriented Programming (OOP)
Data Structures and Algorithms(DSA)
Machine Learning(ML)
Software Engineering(SWE)

SKILLS

PROGRAMMING LANGUAGES

• Python • C/C++

DBMS

• MySQL

WEB DEVELOPMENT

• HTML5 • CSS
• React JS

MISCELLANEOUS

• Wireshark

OPERATING SYSTEMS

• Windows • Ubuntu

ACHIEVEMENTS

TCS ION CAREER EDGE - YOUNGPROFESSIONAL

08-Jun-2023 - 22-Jun-2023

EXPERIENCE

TATA CONSULTANCY SERVICES | RESEARCH INTERN

May 2023 - Jul 2023 | Hyderabad, Telangana

- Developed and implemented Streamlet Protocol for efficient communication and reduced latency.
- Explored and utilized SimPy Library in Python for modeling complex systems and optimizing processes.
- Demonstrated expertise in Networking with Client-Server and Peer-to-Peer architectures.
- Conducted in-depth research on Blockchain for enhancing security and transparency.

CAMPUS AMBASSADOR | NEO 5.0

May 2021 - Dec 2021 | Remote

- Excelled in two rounds of Olympiad exams, displaying exceptional knowledge and aptitude.
- Chosen as Campus Ambassador for NEO 5.0, based on outstanding academic performance and leadership skills.

PROJECTS

Development of Leave Management System for an office

Group Project | Database Design and Management

- Designed and implemented a NoSQL database schema to store employee leave records, requests and related information
- Worked closely with cross functional team members to define project requirements, assign tasks, and coordinate development efforts.
- Techstack: React JS , Node JS , Rest API, MongoDB.

SmartTic: Tic-Tac-Toe with AI Opponent

- Developed an AI-driven Tic-Tac-Toe game in **C++**, integrating the **Minimax algorithm** to enable strategic decision-making by the AI opponent, demonstrating proficiency in game development and algorithm implementation.

POSITION OF RESPONSIBILITY

YEAR REPRESENTATIVE - IEST SHIBPUR

- Elected as Year Representative for the ASCE (Academic Society of Computer Engineers)

Swimming Pool Captain

- Elected Swimming Pool Captain, leading and ensuring safety for all swimmers

INTERESTS

- BADMINTON
- SWIMMING