KONDURY RISHABH

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EDUCATION

International Institute of Information Technology, Naya Raipur　　　　　　　　**2020 − 2024**
Bachelor of Technology in Data Science and Artificial Intelligence　　　　　　　　*8.18/10.00 CGPA*

Holy Cross Se. Sec School, Raipur　　　　　　　　**2020**
Senior Secondary (CBSE)　　　　　　　　*93%*

PROJECTS

jScan: Non-Invasive Jaundice Prediction | *Computer Vision, Image Processing* 🔗　　　　**Dec 2021 − May 2022**
- Developed a novel model for estimating Bilirubin levels using sclera images with 88% accuracy.
- Utilized image segmentation, adaptive K-means clustering, and regression analysis.
- Proposed a non-invasive alternative to traditional methods for predicting bilirubin levels.

Cubie: Rubik's Cube Solver | *HTML, CSS, Three.js, Graph Theory* 🔗　　　　**April 2021 − July 2021**
- Developed a 3x3 Rubik's Cube solver engine using IDDFS (Iterative Deepening Depth First Search) algorithm.
- Rendered the solver engine using the Three.js framework and utilized Graph Theory concepts.
- Provided an interactive and engaging way for users to solve the Rubik's Cube.

Chess Engine | *HTML/CSS, JavaScript, Mini-max Algorithm, Game Theory* 🔗　　　　**Jan 2021 − March 2021**
- Developed a chess engine using MiniMax and AlphaBeta algorithms to find the best moves.
- Modeled the game using HTML/CSS and JavaScript, and used FEN notation to reallocate pieces.
- The search depth is up to 7 moves, resulting in an efficient and effective game-playing experience.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, SQL, HTML, CSS, JavaScript
Frameworks/Technologies: FastAPI, NumPy, Matplotlib, OpenCV, GitHub, MySQL, Scikit-learn
Areas of Interest: Data Structures, Object Oriented Programming, Database Management Systems, Computer Vision

Experience

Samsung R&D Institute, Bangalore, India | *R&D Intern* 🔗　　　　**Aug 2022 − Mar 2023**
- Developed and implemented a methodology for estimating QoE of Netflix streaming data.
- Extracted data using L4 protocols and Deep Packet Inspection techniques.
- Conducted feature engineering and utilized Bagging and Logistic Regression to develop a QoE metric which improved QoE metric accuracy by 5% compared to previous methods.

Coding Minutes | *Teaching Assistant*　　　　**June 2022 − Present**
- Assisted students in the DSA Essentials and Competitive Programming Courses with over 50k+ Udemy enrollments, providing feedback and support to help them improve their programming skills.
- Created course problems, generated test cases, and wrote editorials.
- Automated subtitle creation using Google Cloud API.

ACHIEVEMENTS

- Selected among **Top-25** teams among 60k+ teams across India in **Cisco Code-a-thon** onsite finals. **Link** 🔗
- Achieved **Expert** title on Codeforces: **k_rishabh** 🔗
- Attained a **5-star** rating (2059 max) on Codechef with a Global Rank of 3523: **k_rishabh** 🔗
- Attained **Knight badge** rating (2134 max) on Leetcode and among top 1.5% users: **k_rishabh** 🔗
- Ranked **65** among 4992 teams and placed 1st in IIITNR in the **ICPC India Regionals 2023** 🔗.
- Achieved a global rank of **1995** and an All India Rank of 582 among 10,000+ teams with a score of **1.9 million** in the **Google Hashcode 2022** 🔗.
- Ranked **1666** among 15,000+ participants globally in the **Google Kickstart 2022 Round C** 🔗.
- Placed **4th** in India in the NIT Silchar Hacks Onsite finals out of 450 teams.