

Arman Singh Kshatri

International Institute of Information
Technology, Naya Raipur

[Email](#)
[Portfolio](#)

Education

International Institute of Information Technology - Naya Raipur <i>B.Tech in Data Science and Artificial Intelligence</i>	2022–Present CGPA: 8.37
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Professional Experience

Software Developer Intern <i>GradeMyGrain</i> <ul style="list-style-type: none">Developed an Android application, integrated with AWS EC2 for data collection in CNN model training.	May 2024 – June 2024 <i>Remote, India</i>
Software Engineer Intern <i>CreditSea</i> <ul style="list-style-type: none">Working as a Software Engineer, focusing on solving deployment and scalability challenges.	November 2024 – Present <i>Remote, India</i>

Projects

Bhess-Engine <i>UCI Chess Engine Written in Rust [WIP]</i> <ul style="list-style-type: none">Designed using the Bitboard technique to optimize performance for faster computation.Published a research paper in IEEE detailing the future development of the project.	Source Code IEEE AIIoT 2024
Athleo <i>Real-time Jogging Planner and Tracker with AI Coach</i> <ul style="list-style-type: none">Provides users with personalized training plans, progress tracking, and detailed analytics.Offers feedback and adjusts training recommendations based on user goals and progress.	Source Code
Water-OpenGL <i>Predator-Prey Population Dynamics Simulation using OpenGL</i> <ul style="list-style-type: none">Simulates predator-prey interactions with real-time visualizations using OpenGL.Implemented in C with multithreading for high-performance simulation.	Source Code
Goback <i>Distributed Backup System in Golang</i> <ul style="list-style-type: none">Command-line utility with a user-friendly interface for easy configuration.Optimized storage through incremental backups, only saving changes since the last backup.	Source Code

Skills

Programming Languages: C, Python, Rust, Go, JavaScript, Dart, Java (Intermediate)
Tools and Technologies: HTML, CSS, OpenGL (Intermediate), GraphQL, SQL, Bash
Technologies: Linux, Blender, Adobe Photoshop, Adobe Illustrator, Git, Vim, AWS, \LaTeX

Publications

Bhess Engine: A Rust Chess Engine Using NNUE and Zobrist Hashing for Material Evaluation:
[IEEE AIIoT 2024](#)