

ASHISH KUMAR UPADHYAYA

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PROFILE SUMMARY

Innovative and passionate B.Tech engineer transforming theoretical knowledge into cutting-edge technological solutions, equipped with robust skills in JAVA,Python and Web Development and a proven track record of solving complex technical challenges through creative problem-solving and hands-on project development.

EDUCATION

B.Tech in Computer Science & Engineering

2022–2026

CV Raman Global University, Bhubaneswar

CBSE Class XII (PCM+CS)

2022

Deepika English Medium School, Rourkela

CBSE Class X

2020

Carmel School, Rourkela

CERTIFICATIONS

- **Google UX Design Certification** – Coursera (2023)
- **Foundations of Cybersecurity** – Coursera (2024)
- **Generative AI** – Google Cloud (2024)

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript (ES6+), SQL
- **Web Development:** HTML5, CSS3, React.js, Node.js, REST APIs
- **Machine Learning Tools:** TensorFlow, Scikit-learn, Pandas, NumPy
- **Frameworks:** Pygame, Git, Agile/Scrum
- **Databases:** MongoDB, MySQL

PROJECTS

- Space Invader Game (Python, Pygame)

Developed a retro-style arcade game with dynamic enemy AI, collision detection, and difficulty scaling. Achieved greater user engagement through immersive soundtracks and modular design.

- Handwritten Text Recognition (TensorFlow, OpenCV)

Built a deep learning model to extract text from images. Implemented pre-processing pipelines for noise reduction and normalization, reducing manual data processing time by 50%.

PROFESSIONAL EXPERIENCE

IT Intern

Summer 2025

Rourkela Steel Plant, Tata Steel

- Collaborated on software development projects to enhance industrial IT infrastructure.
- Gained industrial-scale system development experience

ACHIEVEMENTS

- **2nd Prize Winner** – VSSUT Tech Fest 2024 (Ideathon)
- **3rd Prize Winner** – CGU Tech Fest 2025 (CTF Competition)

KEY DELIVERABLES

- Engineered end-to-end software solutions using MERN stack, achieving 30% faster development cycles through reusable component libraries.
- Optimized user experience in game development projects through dynamic AI algorithms and responsive UI/UX design principles.

INTERESTS

●Technology Trends ●Open Source Contributions ●Music Production ●Nature Exploration