

# Amitesh Patra

Phone — E-mail — LinkedIn — Github

Gender: Male — D.O.B: 24/04/2003 — Durg (C.G.), India

## EDUCATION

Degree	University	Institute	Year	CPI/%
M.Tech CSE	IIT Kanpur	IIT Kanpur	2025-27	-
B.Tech CSE	CSVTU	Bhilai Institute of Technology, Durg	2020-24	87.35%
12th class	CBSE	Vishwadeep Sr. Sec. School, Durg	2020	94.2%
10th class	CBSE	Vishwadeep Sr. Sec. School, Durg	2018	92.1%

## WORK EXPERIENCE & INTERNSHIPS

- **Data Science Intern at Conscript HR**
  - Implemented **Data Analytics** to find out patterns in business problems
- **AI and ML Intern at YBI Foundation**
  - Applied **Machine Learning** models in solving day-to-day business problems

## B.TECH THESIS

- **Reinforcement Learning based solution for Prisoners’ Dilemma Problem**
  - Developed a **Q-Learning** based algorithm for playing **Prisoners’ Dilemma Problem**

## COURSE PROJECTS

- **Zombies Escape Video game built in Python**
  - Wrote a game in python
- **Generating questions from text material**
  - Developed an **Artificial Intelligence** system to **generate questions** from uploaded text material

## PUBLICATIONS

- **Reinforcement Learning based solution for Prisoners’ Dilemma Problem**
  - Received publication from MAT Journals publication **Journal of Data Engineering and Knowledge Discovery**
  - Developed a **Q-Learning** based algorithm for playing **Prisoners’ Dilemma Problem**

## OTHER RELEVANT PROJECTS

- **Farm Products Tracking System with Blockchain**
  - Developed **Blockchain** based **Webapp** to track farm produces for **SIH 2022**
- **Medical Image Denoising System**
  - Developed a Deep Learning **U-net Architecture** to Denoise Medical images of Fetus for health checkup
- **Students’ Marks Prediction using Machine Learning**
  - Designed software to **predict marks** of college students based on past data

## TECHNICAL SKILLS

- **Programming Languages**  
C, C++, Java, Python
- **Markup Languages**  
L<sup>A</sup>T<sub>E</sub>X, HTML, CSS
- **Tools and Libraries**  
Git, Tensorflow, Scikit-Learn, Pygame, Linux

## COURSES UNDERTAKEN

- Data Structure and Algorithms
- Theory of Computation
- Computer Organization
- Operating Systems
- Computer Networks
- Database Management
- Discrete Mathematics
- Artificial Intelligence
- Machine Learning
- Linux

## CERTIFICATIONS

- Python for Data Science by NPTEL
- The Joy of Computing using Python by NPTEL
- Foundations: Data, Data Everywhere by Coursera
- Excel Basics for Data Analytics by Coursera
- Exploratory Data Analytics for Machine Learning by Coursera

## ACHIEVEMENTS & EXTRA-CURRICULARS

- Secured **All India Rank of 151** out of 170825 candidates in **GATE 2025 CS paper**
- **Finalists** at the **Smart India Hackathon 2022** for Problem Statement number MA1217
- **Hobbies:** Formula 1, Reading Fiction, Gardening

## LANGUAGES

- English (Professional)
- Hindi (Native)
- Bangla (Native)
- Japanese (Beginner)