Rajeev Goel

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Location: Durg, India

PROFESSIONAL SUMMARY

- Data Science and AI student with expertise in Python, PyTorch, and TensorFlow. Delivered actionable insights through data analysis at NoQs Digital and developed machine learning models at TIH-IoT IIT Bombay. Proficient in problem-solving, deep learning and MERN development.

EDUCATION

- **Indian Institute of Technology, Bhilai**   August 2022 - May 2026
  B.Tech in Data Science and Artificial Intelligence   *CGPA: 9.25 [Grade transcript]*

- **Prayag Public School, Allahabad**   April 2020 - March 2022
  Class XII - Intermediate, CBSE   *Percentage: 95.4*

WORK EXPERIENCE

- **Code4GovTech - DMP 2025**   June 2025 – Present
  Contributor   *Remote*
  - **Selected For**: Making the imporvements in the RCTS-IIITH project for
    AI-Assisted-Mental-Health-Screening-Application
  - **Opensource Contribution**: towards the issue [[DMP 2025]:AI-Assisted-Mental-Health-Screening-Application]
  - **Developed**: a chatbot-based testing system. The chatbot offers an engaging and adaptive interface tailored for both children and adults, helping to conduct mental health assessments effectively.
  - **Technologies**: Python, ReactJS, Redux, NodeJS, MongoDB, FastAPI, Langchain, RAG based architecture

- **Assurant**   May 2025 – Present
  Gen AI Specialist Intern   *Remote*
  - **Developed**: A system trained on reinforcement learning to answer the customer related queries.
  - **Technologies**: PyTorch, Google Colab, Docker, Azure.

- **TIH-IoT IIT Bombay (Chanakya) Fellow**   December 2024 – Present
  Project Intern   *Remote*
  - **Developed**: achieving 95.55% accuracy in a deep learning model integraing VAE and 1D-CNN.
  - **Designed and built**: PyQt5 based software for real time low latency access to the force data and model prediction.
  - **Technologies**: PyTorch, Google Colab

- **NoQs Digital**   July 2024 - August 2024
  Data Analyst Intern   *Remote*
  - **Analyzed**: business data needs with managers and automated data extraction using Python tools.
  - **Awards**: [Star Intern Award], [Letter of Recommendation].
  - **Technologies**: Google Sheets, PowerBI, Google Colab, TensorFlow, Seaborn.

PROJECTS

- **Sketch to Image Translation Model (S2I)**   [Link]
  - **Developed**: a GAN-based neural network with PyTorch to generate colored face images from sketches, achieving 85% accuracy.
  - **Documentation**: [Model Architecture and Results].

- **Chat-bot integrated Portfolio**   [Link]
  - **Developed**: Complete frontend using React.js and backend using FastAPI(Python).
  - **RAG based**: chatbot is integrated using LangChain and OLLAMA to answer queries related to me.

- **Multimodal System for Image-to-Indian-Speech**   [Link]
  - **Designed**: a pipeline using BLIP, IndicTrans2, and gTTS to generate Indian language audio captions for visually impaired users.

- **Grocery Delivery Route Optimizer**   [Link]
  - **Optimized**: delivery routes using Q-learning, reducing travel distance by 15%.

ACHIEVEMENTS

- **InterIIT Tech-meet 13.0**: Ranked 11th among 23 IITs solving an ISRO problem.
- **LeetCode**: Solved 280+ problems across difficulty levels. [Profile].
- **SIH 2024**: Prefinalist in SIH 2024

SKILLS

- **Programming Languages**: Python, C/C++, JavaScript (MERN), LaTeX
- **Frameworks & Libraries**: PyTorch, Langchain, FIASS, OLLAMA, FastAPI
- **Coursework**: Machine Learning, Deep Learning, GANs, LLMs, Data Structures, Algorithms, Data Analytics
- **Tools**: Git, Github, Google Colab, PowerBI, LangChain, Docker, Kubernetes
- **Extra Skills**: Management, Leadership, Video Editing, Photoshop/Canva

CERTIFICATIONS

- **Competitive Coding Conclave**: IIT Madras, 2023
- **Fundamentals of Docker and Kubernetes**: Scaler, 2024

POSITIONS OF RESPONSIBILITY

- **DSAI Representative** April 2024 - April 2025
  Centre for Career Planning & Services, IIT Bhilai
  - Lead a team of 5 people assisting in placement process

- **Mentor Coordinator** April 2024 - April 2025
  Student Mentorship Programme, IIT Bhilai
  -Lead a team of 10 people for a web dev task(Polaris) and smooth execution of SMP

- **Executive** Feburary 2024 - January 2025
  Student Alumni Cell, IIT Bhilai