

Ishaan Joshi

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- M.S. in Data Science and AI student at the Deggendorf Institute of Technology with a strong foundation in Python, machine learning, and SQL.
- Proven ability to deliver data-driven solutions through internships in data science at Celebal Technologies and software development at STPI.
- Combines technical skills with strong leadership and communication abilities, demonstrated through academic projects, research publications, and leadership roles.

Education

Deggendorf Institute of Technology & University of South Bohemia

Deggendorf, Germany

M.Sc., Artificial Intelligence and Data Science (Joint Degree)

March 2027

- Developed practical skills through hands-on projects focused on ML and natural language processing.
- Won 'Best Design' & 1st Place as Steering Engineer in the 'Digital Car and Innovation' soapbox race.
- Developed a CNN for real-time emotion detection; active member of the 'United AI' student group.
- Pursuing a joint degree with the University of South Bohemia, involving international coursework.

JECRC University

Jaipur, India

Bachelor of Technology, Artificial Intelligence and Data Science (CGPA: 8.29)

June 2024

- Led digital operations for two Model United Nations (MUN) conferences as Digital Lead.
- Co-authored and published two research papers on NLP for diabetes prediction and toxic comment classification.
- Competed in multiple hackathons, developing and prototyping data-driven applications under pressure.
- Active member of the technical team of the JECRC Incubation Centre.

Experience

Academic & Personal Projects

Jaipur, India & Deggendorf, Germany

Independent Researcher & Developer

August 2023-June 2025

- Competed in national and international hackathons including Smart India Hackathon, JECRC Ideathon, and Bay3rw4ld Hackathon.
- Co-authored and published two research papers on NLP for diabetes prediction and toxic comment classification.
- Completed advanced coursework in data science (Coursera) and data analysis (Codebasics) to deepen expertise.

Celebal Technologies

Jaipur, India

Data Science Intern

May 2023-July 2023

- Led the development of a machine learning model to predict a weather pollution index using real-time data.
- Applied data preprocessing techniques, feature engineering, and model evaluation to enhance prediction accuracy.
- Utilized Python libraries such as Pandas, Scikit-learn, and Matplotlib for data analysis and visualization.

STPI (Software Technology Parks of India)

Jaipur, India

Software Development Intern

July 2022-December 2022

- Engineered a multi-functional calculator application using Python, focusing on modular design and robust error handling.
- Assisted with data management tasks, including designing and executing SQL queries for efficient data handling.
- Collaborated on the full development lifecycle, from UI design to final implementation and testing.

Ellementry

Jaipur, India

Digital Marketing Intern

August 2021-September 2021

- Conducted demographic and keyword research to identify target audiences and optimize SEO strategy.
- Analyzed campaign performance data to provide insights for strategic adjustments and future ad launches.
- Assisted in strategizing and executing digital marketing campaigns across multiple platforms.

Projects

CNN Emotion Detector

Python, TensorFlow, Keras, OpenCV

- Developed and trained a Convolutional Neural Network (CNN) to detect and classify human emotions from real-time video streams.
- Engineered the data pipeline, including image preprocessing and augmentation, to build a robust training dataset.
- Implemented the model and fine-tuned hyperparameters to achieve 98% accuracy in emotion recognition.

Digital Car & Innovation Project (Soapbox Car)

Mechanical Design, Performance Analysis, Team Leadership

- Served as the Steering Engineer, designing and implementing the steering system on strict technical constraints.
- Analyzed performance metrics from test runs to inform data-driven design modifications and optimizations.
- Led all project documentation and served as the Public Relations head during the final phase of the competition.
- Achievement: Secured 1st Place in the final race and won the 'Best Design' award for innovative engineering.

Certificates

- Microsoft Certified: Azure Artificial Intelligence Associate** - Microsoft (Training - Covered designing and implementing AI solutions for Computer Vision, NLP, and Knowledge Mining on Azure)
- IBM Data Science Professional Certificate** - Coursera (In Progress - Training involves hands-on labs and portfolio projects in Python, SQL, and machine learning)
- Excel for Data Analysts** - Codebasics (Training - Covered advanced functions, Pivot Tables, and data visualization for business intelligence)

Honors & Rewards

- 1st Place & Best Design Award** - DIT Digital Car & Innovation Competition July 2025
- Global Exchange Program Scholar** - International Robotics Project, Denmark May 2018

Leadership & Community Involvement

JECRC Model United NationsDigital Outreach Lead

Digital Outreach Lead

*Jaipur, India
September 2022-July 2024*

- Led all digital and technical operations for two major university-level MUN conferences.
- Managed the technical team responsible for ensuring the smooth execution of the events.

Hope & Beyond | Mahadevi Trust

Community Volunteer

*Jaipur, India
April 2022-June 2022*

- Contributed to wildlife rescue and organized the distribution of essential supplies during the pandemic.

St. Edmunds School

Head Boy

*Jaipur, India
April 2018-April 2019*

- Elected to a senior student leadership position, representing a student body of over 1500 students.

Languages

Hindi- Native

English- C1

German- A2

Skills

Programming & CS Fundamentals

- Languages: Python, SQL, Java, C++, HTML/CSS, JavaScript
- Core Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS)

Data Science & Machine Learning

- Specializations: Machine Learning, Deep Learning (TensorFlow, Keras), Natural Language Processing (NLP), Statistical Analysis
- Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Cloud & BI Tools: Microsoft Azure, Power BI, Tableau, Excel

Developer & Project Tools

- Version Control: Git, GitHub
- Development Environments: VS Code, Jupyter Notebook, PyCharm
- Project Management: Jira, Agile, Waterfall, Risk Management

Marketing & Design

- Digital Marketing: SEO, Keyword Research, Ad Campaign Strategy
- Design Tools: Adobe Creative Suite (Photoshop, Illustrator), Canva

Professional & Interpersonal

- Communication: Teamwork & Collaboration, Public Speaking, Technical Documentation
- Soft Skills: Cultural Awareness (Germany), Initiative, Problem-Solving