

Abhishek Chourasia

174,Tilak Nagar,Indore | +91 9752950569 | Portfolio | @mail | @linkedin | @github

PROFESSIONAL SUMMARY

I am Abhishek Chourasia, a B.Tech. student in Computer Science at Medi-Caps University, Indore, with a strong foundation in Machine Learning, Artificial Intelligence, and Full Stack Development. I completed six months of IBM Global Remote Mentorship, developing Web-BCD, a breast cancer detection system using ML, DL, the Wisconsin dataset, Python, and Flask. Additionally, I completed industrial training in Celonis Process Mining Fundamentals and presented a research paper, "A Review on Understanding the Patterns of Student Dropout", at the World Congress on Soft Computing, soon to be published by Springer Nature India. My career interests lie in applying innovative technologies to real-world IT and data-driven solutions challenges focusing on AI, ML, Data Analyst, and Full Stack Development.

TECHNICAL SKILLS

Languages : C/C++, Python, Java, JavaScript, HTML, CSS
Frameworks : Flask, Django, Bootstrap
Database : SQL, MySQL Workbench **Cloud and Security Tools** : SQL Server
Industry Knowledge : Machine Learning , Deep Learning , Artificial Neural Network , Web-Dev ,Front-end Development and Research and Development
Familiarity : Data Preprocessing, Data Visualization, R, CNN, RNN-LSTM, Transfer Learning

EXPERIENCE

Global Remote Mentorship | IBM July 2024 – December 2024
– Developed Web-BCD, a breast cancer detection system using the Wisconsin Dataset, leveraging Python libraries (Pandas, Numpy, Scikit-learn, etc.) and a Sequential Neural Network with model serialization using pickle.
– Deployment Expertise: The machine learning model was deployed using Flask, integrating an HTML-based user interface designed with CSS and JavaScript, showcasing practical knowledge in ML workflows and API integration.
– Certification and Mentorship: Earned an IBM SkillsBuild certificate and received mentorship from Mr. Dharmendra Singh Panwar, enhancing technical skills and project management capabilities.

EDUCATION

Medi-Caps University	B.Tech in Computer Science CGPA : 9.46	August 2023 – May 2025
Medi-Caps University	B.Sc in Computer Science(AIML) CGPA : 8.8	August 2021 – July 2023
Karnataka Vidya Niketan School	MPBSE 12th Standard CGPA : 9.1	June 2020 – May 2021
Karnataka Vidya Niketan School	MPBSE 10th Standard CGPA : 9.0	June 2018 – May 2019

PROJECTS

KrishiDisha | An AI-driven intelligent platform for optimizing crop. October 2024 – April 2025
* Developed an intelligent platform integrating crop and fertilizer recommendations, disease detection, and yield prediction using ML models like Random Forest, Gradient Boost Regressor, and CNN.
* Implemented multilingual support, real-time disease detection via image uploads, and personalized recommendations based on soil nutrients, temperature, and rainfall.
* Deployed using Flask, with a user-friendly UI designed to improve accessibility for farmers in both rural and urban areas and also get Automated Reports consisting of Recommendations and Disease Detection.

Web-BCD | Breast Cancer Detection using ML and DL algorithm February 2024 – July 2024
* Designed and implemented a Flask-based project that detects breast cancer using the Wisconsin dataset with an accuracy of 94%.
* Developed the model using Python libraries like Pandas, Numpy, and Scikit-learn, and integrated it with an HTML-based interface for intuitive user interaction.

STUDROP | A Review on Understanding the Patterns of Student Dropout October 2023 – January 2024
* Presented research titled "A Review on Understanding the Patterns of Student Dropout" at the World Congress on Soft Computing, held at the Artificial Intelligence Research Center in Lucknow, India.
* Analyzed factors such as marital status, family income, academics, and inflation using ML and DL algorithms to predict and mitigate dropout rates.
* The work is to be published in Springer Nature’s India Book Series, Studies in Smart Technologies.

CERTIFICATIONS

Celonis LMS <i>Academic Process Mining Fundamentals</i>	<i>July 2024</i>
IBM <i>Data Science Foundations - Level 1 and Machine Learning with Python - Level 1</i>	<i>July 2024 and July 2023</i>
NPTEL IIT Madras <i>Python for Data Science</i>	<i>April 2024</i>
Great Learning <i>Python , Java , Oop's in Java and Cyber Forensics</i>	<i>March 2023</i>
Simplilearn <i>Become a Data Science Expert with Python Django Tutorial</i>	<i>October 2023</i>
Cisco <i>Python Essentials, Networking Essentials and Operating System Basics</i>	<i>April 2023</i>
Forage <i>ESG Virtual Experience Program</i>	<i>July 2023</i>

AWARDS

CodeVir <i>iNurture Education Solutions Pvt. Ltd. AIR: 17</i>	<i>January 2023</i>
Runnerup- National Transtemporal tattle trials 2021 <i>iNurture Education Solutions Pvt. Ltd. Silver Medalist</i>	<i>January 2022</i>