

# Mohit Panchasara

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## PROFESSIONAL SUMMARY

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Passionate Machine Learning and Software Engineering professional with hands-on experience in data analytics, statistical modelling, data warehousing and ETL (Extract, Transform, Load) processes. Proficient in Python, SQL, Power BI, and Tableau for deriving actionable insights from large datasets. Strong foundation in data science and data-driven decision making, reinforced through AI-driven projects, dynamic visualizations and business intelligence tasks.

## EDUCATION

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**Applied AI Solutions Development (Postgraduate)** Jan 2025 - Dec 2025  
George Brown College, Casa Loma, ON, Canada. Current GPA: 3.55/4.00

- **Relevant Courses:** Machine Learning, Deep Learning, Data Engineering, NLP, Computer Vision, DAMA-DMBOK, Advanced Mathematics for ML & DL.

**Bachelor of Technology in Information Technology** Aug 2019 - Jun 2023  
Indian Institute of Information Technology Vadodara, India. CGPA: 7.83/10.00

- **Relevant Courses:** Data Structure & Algorithms, DBMS, Software Engineering, Operating Systems, Machine Learning, Computer Networks & Graphics, Data Visualization, Cryptography.

## SKILLS

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**Programming Languages:** Python, C++, C, Java, SQL, Bash, JavaScript, HTML/CSS, MATLAB, Latex

**Data Science & AI:** Machine Learning, Deep Learning, Statistical Modelling, Computer Vision, Supervised & Unsupervised Learning, Natural Language Processing, Data Wrangling, Trend Analysis, Data Collection & Handling, Data Warehousing, Business Intelligence, Data Reporting

**Frameworks & Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Django, Matplotlib, Hadoop, Node.js, Selenium

**Databases & Storage:** MySQL, MongoDB, NoSQL, SQL Server (SSMS, SSIS, SQL Express)

**Tools & Environments:** Unix/Linux, Docker, Git, Jupyter Notebook, VS Code, PyCharm, CLion, Tableau, Power BI, Visual Studio, Microsoft Word, Excel, PowerPoint

**Soft Skills:** Communication, Friendly Collaboration, Adaptability, Self-Motivation, Time Management, Multitasking, Problem Solving, Technical Writing, Software Project Management, Business planning, SEO strategies

## WORK EXPERIENCE

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**Data Analyst – CODESERVIR Technologies, Remote** June 2023 – Dec 2024

- Built Tableau and Power BI dashboards and performed end-to-end ETL on diverse datasets to generate actionable insights for stakeholders.
- Worked on data extraction, transformation, and loading (ETL) across diverse datasets.
- **Tech Stack:** Python, MySQL, Tableau, Power BI, Hadoop/Spark, TensorFlow, PyTorch

**Tutor – CODESERVIR Technologies, Remote** Dec 2023 – Nov 2024

- Delivered one-on-one and group sessions in Machine Learning, Mathematics, and Data Science, improving participant outcomes in the training program.
- **Tech Stack:** Python, scikit-learn, Pandas, NumPy

**Full Stack Developer Intern** – *ADmyBRAND, Remote*

Jan 2023 – May 2023

- Integrated AI and blockchain in web platforms, deploying front-end solutions (w4a.io, adguin.com) with Smart Contracts and Dynamic NFTs.
- **Tech Stack:** AstroJS, Figma, Next.js, Vercel, Solidity, MetaMask

**Data Science Research Intern** – *IIIT Vadodara, India*

May 2022 – Jul 2022

- Optimized Named Entity Recognition using BERT and PyTorch—achieved 92% accuracy—and documented results in a research paper.
- **Tech Stack:** Python, Pandas, Seaborn, PyTorch, NumPy, NLP

**Co-Founder** – *GeeksNeuron, Gujarat, India*

Jan 2020 – Present

- Co-founded and scaled a technical content firm, managing 30+ writers and delivering AI/ML, Data Science, IoT and cloud-computing materials to 7–8 key clients.
- **Tech Stack:** Technical Writing, Python, Linux, JavaScript, Cloud Computing, Machine Learning

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**PROJECTS****Chess Pieces Classifier**

Jan 2022 - Apr 2022

- Led a team in developing a Chess Pieces Classifier project from scratch, employing Convolutional Neural Networks (CNN). This project aimed to classify different chess pieces based on images accurately. No pre-trained dataset was used; a new dataset was created, trained, and tested. Achieved a training accuracy of 82% and a validation accuracy of 67%. Employed activation functions like ReLU and softmax for model optimization.
- Tech Stack: Python, Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Sklearn

**Humour Detection & Sarcastic Language Modeling**

May 2023 - Present

- Developed a basic Humour Detection System that predicts how humorous the sentence is. Trained on different Jokes datasets from Kaggle and Wiki, the model achieved an overall of 89% validation accuracy. Working further to make this applicable with real-time speech detection and messaging systems.
- Tech Stack: Python, Pandas, PyTorch, NumPy

**Global Healthcare System**

Oct 2021 – Nov 2021

- A healthcare system provides all healthcare solutions and suggestions to users via a simple, intuitive interface. Users can connect with doctors and nearby pharmacies, book appointments, and search by specialty or degree.
- Tech Stack: Django, Python, Figma, Bootstrap

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**ADDITIONAL ACTIVITIES**

- Participated in many hackathons such as **HackIIITV 2019, HackIIITV 2020, Hack This Fall 2.0, Hack The Bronx, HackX, Hash Code 2022**
- 600+ problems solved on DSA and competitive problem solving on Code Forces, CodeChef, Hacker Rank, Leetcode, and GFG.
- GDSC and E-sports event handling lead member
- **Guitarist** at our institute's band *Encore*

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**LANGUAGES****English** - *Fluent***Hindi** - *Fluent***Gujarati** - *Native*