

Deepak Singh

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Education

Integrated Masters of Technology in Computer Science and Engineering

Minors in Computational and Data Science

VIT Bhopal University, Bhopal, Madhya Pradesh

Jul 2021 – May 2026

CGPA: **8.38**

Higher Secondary

Subhash Excellence H.S. School, Bhopal, 462016, Madhya Pradesh.

Mar 2020 – Jul 2021

Percentage – **83%**

Secondary

Subhash Excellence H.S. School, Bhopal, 462016, Madhya Pradesh.

Mar 2018 – May 2019

Percentage – **84.8%**

Skills

- Programming Languages: **Java, SQL**
- Web Development: **HTML/CSS, MongoDB**
- Frameworks/Libraries: **JavaScript, React, Node, Tailwind CSS, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn**
- Tools/Technologies: **GitHub, Tableau, Qlik**

Projects

AgroKisan – Agriculture Platform

May 2024 – Aug 2024

- **Engineered** a **Flask-based** agricultural platform, integrating **4+ ML algorithms** to enhance crop recommendation accuracy (**91%**) and optimize yield predictions.
- **Developed** a CNN model using **PyTorch** for apple leaf disease classification (**89%** accuracy), enabling early detection and reducing crop losses.
- **Implemented real-time and historical commodity price** monitoring with **BeautifulSoup** and **Selenium**, empowering farmers with data-driven market insights.
- **Streamlined** agricultural analytics by leveraging **AI-driven models**, improving resource efficiency and boosting profitability.

Study Notion – EdTech Platform

Sep 2024 – Oct 2024

- **Designed** a **feature-rich course management system** with **RESTful APIs**, ensuring seamless content delivery and enhanced learning experiences.
- **Built 20+ reusable and scalable UI components**, improving code modularity and accelerating development efficiency.
- **Integrated secure authentication, OTP verification, and Razorpay** payment processing, strengthening transaction security and user trust.
- **Deployed** the platform on **Vercel and Render**, optimizing performance, scalability, and system reliability.

Work Experience

Kranti Team Associates AI | Data Analyst

Bhopal | Sep 2024 - Nov 2024

- **Analyzed** advertising campaign data using **Python (Pandas, NumPy)** to identify trends and improve ad targeting.
- Developed **interactive Tableau dashboards** to visualize insights and support data-driven marketing strategies.
- Provided key analytical insights that enhanced advertising performance and decision-making.

Business Analytics Internship Qlik

Remote | July 2024 - Aug 2024

- **Analyzed** 150,000+ annual road accidents using **Qlik Sense**, identifying high-risk zones and key trends through interactive dashboards.
- **Developed 10+ data visualizations**, highlighting accident causes, weather impact, and vehicle involvement for data-driven insights.
- **Optimized 9+ datasets** by cleaning, integrating, and applying **filters & real-time associations**, aiding policy decisions and safety measures.

Certifications

- **Oracle Cloud Infrastructure Generative AI Professional (2024)**
- **Applied Machine Learning in Python (Coursera, 2022)**

Achievements

Co-Curricular

- Top 5% among 7,000 builders in Hacker House Goa, advancing to the final round.
- **GirlScript Summer of Code (2024)**: Enhanced UI/UX with HTML, CSS, JavaScript for cross-platform compatibility.
- **Hacktoberfest (2023)**: Developed interactive components and optimized repositories using HTML5, CSS, JavaScript.

Extracurricular

- **Core Member, Data Science Club**: Organized and facilitated **5+ monthly meetings**, collaborating with **50+ members** to drive club activities and increase engagement by fostering a stronger data science community.