Divyansh Jain

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EDUCATION

VIT BHOPAL UNIVERSITY, BHOPAL, MADHYA PRADESH
B.Tech in Computer Science Engineering
Expected Graduation Sept 2026
CGPA **:** 8.96

PROFESSIONAL EXPERIENCE

BARUN INTERNATIONAL | Machine Learning Intern (April 2024 - June 2024)

- Developed and deployed scalable machine learning models using Python and Scikit-learn, improving business process efficiency by 25%.
- Built RESTful APIs to integrate ML solutions with backend systems, enhancing workflow coordination.
- Designed predictive analytics models with CNNs, boosting decision-making accuracy by 15% in a fast-paced environment.

URVANN | Digital Marketing Intern (April 2023 - May 2023)

- Analyzed campaign performance data using Excel, delivering insights that increased user engagement by 10%.
- Optimized social media content with data-driven strategies, improving click-through rates by 8%.
- Collaborated with cross-functional teams to execute projects, sharpening communication and agile workflow skills.

PROJECTS

Real Estate Web Platform(HomeVerse) (Nov 2024 -Feb2024)

- Developed HomeVerse, a responsive real estate listing platform using HTML5, CSS3, and JavaScript, featuring a dynamic property display and intuitive navigation.
- Implemented modern UI/UX design principles, including a visually appealing hero section and structured property cards, ensuring an engaging user experience across devices.
- Managed and organized all project assets effectively, including images and CSS, to ensure efficient loading and maintainable code quality.

Bridge Failure Probability Analysis via Monte Carlo Simulation (Sep2023 - Nov2023)

- Engineered a Python GUI (Tkinter) to simulate 10,000+ structural load scenarios, calculating failure probabilities with 95% confidence intervals using NumPy for statistical modeling.
- Automated stress-strain analysis by generating randomized bridge parameters (length, width, material strength) and visualizing failure thresholds via Matplotlib, improving risk assessment efficiency by 40%.
- Integrated real-world material data (concrete, steel, wood) and dynamic load distributions, enabling engineers to predict failure points 30% faster than manual methods.

SKILLS SUMMARY

Programming Languages: Python, JavaScript, SQL, Java, C++
Frameworks & Tools: TensorFlow, PyTorch, Scikit-learn, React, Bootstrap, Flask, Spring (Basic), RESTful APIs, Pandas
Web Development: HTML, CSS, JavaScript, React, Bootstrap, Flask
Databases: MySQL, SQLite
Cloud & DevOps: AWS (Basic), Git, GitHub, Jupyter Notebook, Google Colab
Data Analysis: Excel, Power BI
Soft Skills: Problem-Solving, Team Collaboration, Communication, Adaptability

EXTRA - CURRICULAR ACTIVITIES & LEADERSHIP EXPERIENCE

PI MATHEMATICS ASSOCIATION (VIT BHOPAL UNIVERSITY)
Technical Lead (March2024 - Present)

- Progressed from volunteer to Technical Lead, managing a technical team and driving club initiatives.
- Led cross-club collaborations, ensuring seamless execution of technical projects and events

CERTIFICATES

- Gold Medal Certificate (Top 1% among 23,872 students) - Cloud Computing, NPTEL
- Tata Group Data Visualisation: Empowering Business with Effective Insights, Forage, 2024
- MERN Full Stack Development Certification – *Ethnus, 2025*