Divyanshu Pandey

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Education

Graphic Era Hill University **Oct 2021 — June 2025**
Bachelor of Technology (B.Tech) in Computer Science and Engineering *Uttarakhand*

Shiksha Bharati Sr. Sec. School **March 2019 — July 2021**
Higher Secondary *Khatima — Uttarakhand*

Experience

Google Developers Student Club(GDSC), Graphic Era University **August 2023- August 2024**
Core Member

- Directed and coordinated **5+ tech events**, engaging a community of **200+ innovation enthusiasts**.
- Spearheaded GDSC initiatives with **strategic planning and execution** of workshops and hackathons.
- Facilitated **team collaboration** and ensured smooth event delivery alongside core team members

Trusting Brains (Remote) **October 2023 — December 2023**
Internship

- Collaborated with a **remote team** to design and implement **responsive UI components**, ensuring **cross-browser compatibility**.
- Developed a full-stack **To-Do application** using **React.js, Node.js, and MongoDB**, featuring **real-time updates** and **persistent data storage**.

Projects

Personal Finance Tracker with Expense Prediction | *ReactJS , Node.jS, MongoDB, Python(Scikit-learn), Firebase Auth*

- Built a full-stack app to track and categorize daily expenses.
- Visualized spending trends with interactive charts.
- Used ML (time-series forecasting) to predict next month's expenses.
- Implemented user authentication with Firebase (email & Google Sign-In).

Handwritten Digit Recognizer | *Python, Keras, CNN, OpenCV*

- Developed a **Convolutional Neural Network (CNN)** achieving **98% accuracy** on the MNIST dataset.
- Reduced training time by 30% using advanced **preprocessing techniques** like image normalization and reshaping.
- Integrated **real-time image processing** with OpenCV to recognize custom handwritten digits.

Smart Disaster Alert And Resource Management System | *React.js, Flutter, Node.js, Django, MongoDB, SQL*

- Built a **real-time disaster alert system** integrating **government APIs** for accurate earthquake, flood, and cyclone notifications.
- Implemented **GIS-based risk mapping** and **emergency resource locator** for rapid response.
- Developed **AI-powered predictive models** to optimize resource allocation and supply chain management.
- Enabled **offline mode** for critical app functionality during network outages.
- (Optional) Integrated **IoT sensors** for early detection of environmental hazards.

Skills

Languages: C, C++, Java, Python, JavaScript
Frameworks and Libraries: : React.js,Node.js, Express.js, Mongoose
Databases: MySQL, MongoDB
Coursework: Data Structures & Algorithms (DSA), Machine Learning, Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)