



Abhinav Tiwari

Bachelor of Technology

Chemical Engineering

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Abhinav-21

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LeetCode

GeeksforGeeks

Codeforces

EDUCATION

•Motilal Nehru National Institute of Technology Allahabad

2021-2025

Chemical Engineering, Bachelor of Technology

CPI: **8.19**

•Intermediate | S.K.D. Academy

2020-2021

Central Board of Secondary Education, Uttar Pradesh

Percentage: **95.6**

•Matriculation | S.K.D. Academy

2018-2019

Central Board of Secondary Education, Uttar Pradesh

Percentage: **94.4**

PROJECTS

•Healthcare Record Management

🔗 Healthcare-Record-Management

Distributed storage network and data analytics based web application.

- **Tools & technologies :** HTML, CSS, Javascript, Python, ExpressJS, NodeJS, Web3storage, CryptoJS, MongoDB.
- User data is stored in distributed storage network.
- Hospitals that have been validated receive admin key to get access to upload their data.
- Each document has a specific docID that may be used to see data following authentication with a token.
- We offer many analytics based the stored data, while keeping anonymity of the user in mind.

•Digit Classifier Neural Network

🔗 Digit Classifier

Classifier of hand written digits.

- **Tools & technologies :** Python3.x, Pandas, Numpy, Matplotlib, Keras(for dataset), Pickle.
- **Neural Network Digit Classifier:** Created Python neural network for precise digit classification.
- **Efficient Activation:** Utilized ReLU and softmax functions for accurate recognition.
- **Data-Driven Training:** Optimized performance with gradient descent.
- **Graphical Accuracy Insight:** Utilized Matplotlib for clear graphical representation of learning progress.

TECHNICAL SKILLS

Languages: C++, C, Python, JavaScript, HTML, CSS

Developer Tools: VScode, Jupyter, Spyder, Git, pip, npm

Frameworks: Bootstrap, ExpressJS

Cloud/Databases: MongoDB, MySQL

Soft Skills: Communication, Time-Management, Problem-Solving, Collaboration, Creativity, Adaptability, Empathy

Coursework: Data Structures and Algorithms, Web Development, Data Science, Machine Learning

INTERESTS

- | | | |
|------------------------------|----------------------------------|---------------|
| • Data Science and Analytics | • Machine Learning | • Mathematics |
| • Puzzling and Quizzing | • Artificial Intelligence | • Debating |
| • Competitive Programming | • Data Structures and Algorithms | |

ACHIEVEMENTS

• LinkedIn Certified Python Developer(Top 5%)

• Codechef May Long Two 2022 Division 3 Rank: 626

23 May, 2022

• Winner (team) of Gnosis India Quiz

August, 2022

• Total DSA + CP problems solved: 406

• Problem Solving: 3 stars on hackerrank

• 2 year consecutive gold medal winner in Annual Athletics Meet in Shot-put

POSITIONS OF RESPONSIBILITY

- Head Boy in 12th standard
- Class Representative in 1st year of B.Tech.