**MIT | Academy of Engineering**
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

# NIRMAL CHATURVEDI
**B.Tech. - Computer Engineering**
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## BRIEF SUMMARY

My name is Nirmal Chaturvedi, and I am a student at MITAOE Pune. I am currently pursuing my engineering degree in Computer Science and Engineering.

I have always had an interest in coding and web development. As I grew up, I began to explore various programming languages and technologies, which eventually led me to pursue a degree in computer science.

During my time at MITAOE Pune, I have been honing my skills in coding while learning languages such as C, C++, and learning web development, and I am eager to put my knowledge to use in real-world applications. I am particularly interested in exploring the latest web and app development frameworks and tools, and I enjoy experimenting with new coding languages.

In my free time, I enjoy participating in coding competitions and hackathons. I also like to keep up with the latest trends and advancements in the field of computer science, and I am constantly seeking new challenges and opportunities to learn and grow.

I am excited to connect with other professionals in the industry and explore new avenues for collaboration and innovation. Please feel free to reach out to me if you would like to connect or if you have any questions about my experience and interests.

## KEY EXPERTISE

Core Java   Python

## EDUCATION

**MIT Academy of Engineering, Pune**                                                                2022 - 2026
B.Tech. - Computer Engineering   |   CGPA: **8.20 / 10**

**City International School, Pune**                                                                              2022
12th   |   CBSE   |   Percentage: **63 / 100**

**City Montessori School, Lucknow**                                                                         2020
10th   |   CISCE   |   Percentage: **90 / 100**

## INTERNSHIPS

**Slash Mark**  | IT / Computers - Software                                         15 Jul, 2024 - 15 Aug, 2024
Data Analytics Intern

**Key Skills:**   Data Analysis

Performed data cleaning, transformation, and analysis using Excel, SQL, and Python, ensuring data accuracy and readiness for reporting.
Created and updated interactive dashboards and reports in Tableau, delivering clear visualizations and insights to support remote team decision-making.
Contributed to the development of predictive models and data-driven strategies, aiding in the optimization of business processes and outcomes.
Collaborated with team members via virtual meetings and project management tools to define key metrics and develop custom analytical solutions.
Gained experience in remote teamwork, communication, and time management while working independently on various data analysis projects.

**Prodigy InfoTech**  | IT / Computers - Software                                01 Jul, 2024 - 31 Jul, 2024
Cyber Security Intern

**Key Skills:**   Python   Encryption

Prodigy InfoTech – Remote
July 15, 2024 – August 15, 2024

Assisted in remotely monitoring and analyzing security events and incidents using SIEM (Security Information and Event Management) tools, contributing to early threat detection and response.
Conducted virtual vulnerability assessments and risk analyses, identifying potential security weaknesses and recommending mitigation strategies.
Supported the development and implementation of security policies and procedures through collaborative virtual meetings and shared

documentation.
Engaged in virtual incident response activities, including the identification, containment, and recovery from simulated security breaches under the guidance of senior security professionals.

## PROJECTS

### Face Recognition Based Attendence System
15 Sep, 2023  -  18 Jun, 2024

**Mentor:** Mr. Nilesh Navghare Sir  |  **Team Size:** 4

**Key Skills:**  Face Recognition    Data Handling    Database    Python    Data Structures

**Project Link:**  https://github.com/nirmalchatur/attendence-system/blob/main/README.md

Facial recognition attendance systems utilize advanced algorithms to identify and verify individuals based on their facial features. This technology captures a person's facial image, analyzes unique facial contours and features such as the distance between eyes, nose, and mouth, and then compares these against a database of stored images to determine identity. It offers advantages like improved accuracy, convenience (replacing traditional methods like ID cards or biometric scans), and potential for real-time monitoring. However, concerns about privacy, data security, and algorithmic bias are important considerations in its implementation.

## ASSESSMENTS / CERTIFICATIONS

### Certificate Of Training in Core Java
11 Jul, 2026

**Aggregate:** 80 / 100

**Key Skills:**  Data Structures    Core Java

Throughout the course, I gained proficiency in Java syntax, object-oriented programming principles, and the implementation of data structures and algorithms using Java. Hands-on projects and practical exercises provided me with real-world experience in developing Java applications, including GUI development, multithreading, and exception handling. This comprehensive training has prepared me to confidently tackle complex programming challenges and contribute effectively to Java-based projects in various domains.

### IBM-Python for Data Science and AI

**Aggregate:** 88 / 100

**Key Skills:**  NumPy    Pandas    Python

https://www.credly.com/badges/91a34072-fa33-4c4f-936c-5441640caa32/public_url

## SEMINARS / TRAININGS / WORKSHOPS

### Nirmal Chaturvedi Institute Name: be10x
02 Oct, 2023  -  03 Oct, 2023

**Key Skills:**  AI Tools    AI

The workshop provided in-depth insights into cutting-edge AI technologies and tools, equipping participants with practical skills in AI development and deployment. Key topics included machine learning algorithms, neural networks, natural language processing, and hands-on experience with industry-standard AI tools. Through interactive sessions and case studies, I gained valuable knowledge that enhances my ability to leverage AI for innovative solutions in various domains. This workshop has further fueled my passion for AI and its transformative potential in shaping the future of technology.

### Data Analytics and Visualization Job Simulation

**Institute Name:** Forage

**Key Skills:**  Data Analytics    Data Visualization

The Data Analytics and Visualization Job Simulation by Accenture on Forage offers a comprehensive and practical experience for individuals interested in entering the field of data analytics and visualization. This simulation provides participants with an opportunity to work on real-world projects and challenges that mimic the tasks and responsibilities of a data analyst or visualization expert at Accenture.

Key Features:
Real-World Projects: Participants engage with projects that involve analyzing large datasets, drawing insights, and creating visualizations that aid in decision-making processes.

Skill Development: The program focuses on honing essential skills such as data cleaning, data analysis, and the use of various visualization tools and techniques. Participants learn to utilize software and platforms commonly used in the industry, including Excel, Tableau, and Python.

Business Context: Each task is designed to reflect real business scenarios, providing participants with a context for how data analytics and visualization can drive strategic decisions. This includes working with data from various sectors like finance, marketing, and operations.

Interactive Learning: The simulation includes interactive elements such as video tutorials, quizzes, and feedback mechanisms to enhance the learning experience. Participants receive guidance from Accenture professionals, ensuring that they understand the best practices in the industry.

Self-Paced: The program is self-paced, allowing participants to complete the tasks according to their schedules. This flexibility makes it accessible to a wide range of individuals, from students to working professionals.

Certification: Upon completion of the simulation, participants receive a certificate from Accenture, which can be a valuable addition to their resumes. This certification demonstrates their ability to handle real-world data analytics and visualization tasks.

Learning Outcomes:
Data Analysis: Gain proficiency in analyzing data to uncover trends, patterns, and insights.
Data Visualization: Develop the ability to create compelling and informative visualizations that communicate data effectively.
Problem-Solving: Learn to approach data-related challenges with a problem-solving mindset, leveraging analytical tools to find solutions.
Technical Skills: Build technical skills in software like Excel, Tableau, and Python, which are critical for data analytics roles.
Business Acumen: Understand how data analytics and visualization can be applied to solve business problems and improve decision-making processes.

**Building Interactive Dashboards with Microsoft Power BI**
**Institute Name:** Infosys

**Key Skills:**  Power BI   PowerPivot   Dashboards   Data Visualization   Data Cleaning

Introduction to Power BI:

Understand the basics of Power BI, including its interface and key features.
Learn how to import data from various sources such as Excel, SQL Server, and cloud services.
Data Transformation and Modeling:

Master the techniques to clean and transform data using Power Query.
Create relationships between different data tables and understand data modeling concepts.
Creating Visualizations:

Explore a wide range of visualization options available in Power BI, including charts, graphs, and maps.
Learn how to customize visualizations to make data insights more compelling and accessible.
Building Dashboards:

Gain hands-on experience in designing and building interactive dashboards.
Learn how to use slicers, filters, and drill-through features to enhance interactivity.
Publishing and Sharing:

Understand how to publish dashboards to the Power BI service.
Learn how to share dashboards with stakeholders and collaborate in real-time.
Advanced Features:

Explore advanced features such as DAX (Data Analysis Expressions) for complex calculations.
Learn how to create custom visuals and use Power BI's AI capabilities for deeper insights.

## CO-CURRICULAR ACTIVITIES

- Participated in the Google Cloud Study Jams 2024
- Participated in the Pariksha Pe Charcha 2023

## WEB LINKS / IMs

- Other - www.linkedin.com/in/nirmal-chaturvedi-0931b2257
- Github - https://github.com/nirmalchatur