

Aman Verma

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SKILLS

Programming Languages | • C • Java

• Python

Web Development | • HTML • CSS

• VueJS

Machine Learning & Data Science |

• sklearn • Keras • PyTorch

• Neural Networks

Software | • Linux • MATLAB

• MySQL

• **Management** • **Leadership**

EDUCATION

**Amity University, Noida,
Uttar Pradesh**

B. Tech in Computer Science and
Engineering

2020-2024 | CGPA: 7.70/10.00

IIT Madras, Chennai

B.Sc. in Programming and Data
Science (ongoing) | 2021-Present

St. Joseph's Academy, Dehradun

• Indian Certificate of Secondary
Education | 93.4%

• Indian School Certificate | 84.5%

KNOWLEDGE

- Data Structures and Algorithms
- Operating Systems
- Object Oriented Programming
- Database Management Systems
- Data Analysis

CERTIFICATIONS

- Microsoft Certified: Azure AI
Fundamentals | 07/2023 - Present
- Microsoft Certified: Azure Data
Fundamentals | 07/2023 - Present
- Microsoft Certified: Azure
Fundamentals | 07/2023 - Present

EXPERIENCE

Frontend Development and Database Management Operator

- Worked with **RMSI, Noida, Uttar Pradesh** as an intern for a month and explored more in the world of Frontend Development and database management, on a government project. Details protected by NDA.

PROJECTS

Data Science

- Built a Sentiment Prediction Model on Movie Reviews.
- Part of the IITM Degree.
- Published on Kaggle as a Competition.
- Scored an accuracy of 0.76839.
- Involved Data Cleaning and Data Pre-Processing.
- Various Machine Learning Algorithms were tried to get the best score using the best models, it included:
 - Logistic Regression
 - KNN (K Nearest Neighbour)
 - SVM (Support Vector Machine)
 - CART (Classification and Regression Tree)
 - Bagging
 - Boosting
 - MLP (Multi Layered Perceptron)

Web Development

- Built a Library Management System Web Application.
- Used Python Flask Library for backend and VueJS for frontend.
- Used SQLite for database and Celery to handle backend jobs.
- Used Flask-Security for authentication.
- Used Redis for Caching and Celery's Job DB.

Machine Learning

- Academic Major Project called Repairify.
- Built the backend using Machine Learning algorithms to aid in the functioning of the application.
- High use of CNN and Bi-LSTM.
- The application basically identifies the problem in user device delivers them door-to-door service by connecting to the experts.

INTERESTS

- Artificial Intelligence • Photography • Social Work • Dance