

ABHIVANDYA ABHIRAM

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ABOUT

Highly motivated Software Engineer with a passion for innovation and excellence in **Java** and **Object-Oriented Programming**. Committed to delivering high-quality software solutions and eager to contribute technical expertise and problem-solving skills to a forward-thinking organization. Seeking opportunities to collaborate on impactful projects in the evolving tech industry.

EDUCATION

Manipal University Jaipur | September, 2021 - present (Anticipated Graduation July, 2025) **(CGPA: 8.58)**

- Bachelor of Technology in Computer Science and Engineering
- Studied core subjects, including Software Engineering, Object Oriented Programming, Relational Database Management Systems, Data Structures and Algorithms, and Operating Systems.

La Martiniere College, Lucknow | April, 2017 - March, 2021

- Scored **93.2%** in ICSE Board Examinations in grade 10.
- Scored **94.0%** in ISC Board Examinations in grade 12.
- Achieved the highest scores in Computer Science within the batch in both grades.

EXPERIENCE

CES Holdings, Dubai (remote): Data Integration Intern | June, 2024 - July, 2024

- Facilitated the integration of Plytix with Magento of 300,000 products to streamline data synchronization and enhance e-commerce operations.
- Conducted extensive data preprocessing, including cleaning and organizing large datasets (150,000+ rows), to ensure data accuracy and consistency.
- Improved efficiency by 60% through automating routine tasks with Python, including online product verification, significantly reducing manual checking time from 8 hours to 3 hours.
- Conducted comprehensive testing on all product listings, ran tests, and corrected over 10,000 products with issues on their webpages, ensuring system reliability and data accuracy.

PROJECTS

E-Commerce Website: mybookstore.com

- Designed, developed, and tested a dynamic e-commerce website for a bookstore, incorporating essential features such as user registration, login, seamless order placement, and a fully functional shopping cart. Utilized a stack of technologies including **PHP**, **HTML**, **CSS**, **XAMPP server**, and **SQL**.

Detection of DDoS Attacks using RF and ANN Techniques

- Created and tested a model for detecting Distributed Denial-of-Service (**DDoS**) attacks utilizing **Random Forest** (RF) and **Artificial Neural Networks** (ANN) techniques. The model achieved **99.25%** accuracy with RF and **98.38%** accuracy with ANN, demonstrating high efficacy in identifying malicious network traffic.
- Authored a research paper detailing the methodology and findings, currently pending publication.

Library Management System

- Developed and tested the backend of a Library Management System using **Java**, **MySQL**, and **Rest API**, implementing a login system for admin and librarians, and performing queries to manage book records, user roles, and handle transactions for book issues and returns.

Password & OTP Generator and Authenticator

- Created and tested a Password & OTP Generator and Authenticator using **Java** that generates random strong passwords that could be used by multiple websites.

SKILLS

Java | SQL | AWS | OOP | Data Structures and Algorithms | Version Control (Git) | DBMS | Rest API

ACHIEVEMENTS

Elite D.A.A. Course Graduate from I.I.T. Madras | October, 2023

- Attained the 'Elite' designation upon completing the Design and Analysis of Algorithms course offered by NPTEL in collaboration with I.I.T. Madras.

Jumpstart with Cybersecurity and Ethical Hacking | October, 2022

- Developed a User Credential Authentication Portal using Java in a hackathon on Jump Start with Cybersecurity and Ethical Hacking by the organisation Randomize(); in collaboration with Faculty of Computer Science and Engineering - Manipal University Jaipur.