

AFIFA SYED

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EDUCATION

Thadomal Shahani Engineering College (TSEC)

Mumbai, India

Bachelor of Engineering in Artificial Intelligence and Data Science (CGPA: 9.62 / 10.00)

Jul 2025 – Jun 2028 (Expected)

- Academic Honors: Semester III: 9.36 | Semester IV: 9.87 | Coursework: Data Structures, Database Systems, Machine Learning.

M.H. Saboo Siddik Polytechnic

Mumbai, India

Diploma in Computer Engineering (Grade: 93.60%)

Sep 2022 – May 2025

- Graduated First Class with Distinction; built core foundations in Object-Oriented Design, C++, Java, and Relational DBMS.

TECHNICAL SKILLS

Languages: Java (Core & Advanced), Python, SQL (MySQL), C++, C, JavaScript (ES6+), HTML5, CSS3

Backend & Web Frameworks: Spring Boot, Spring Data JPA, Hibernate ORM, Servlets, JSP, JDBC, RESTful APIs, React.js, Thymeleaf

AI & Data Science: Scikit-Learn, Pandas, NumPy, TensorFlow, OpenCV, Matplotlib, Exploratory Data Analysis (EDA), Statistical Inference

Databases & Developer Tools: MySQL, Git, GitHub, Maven, Postman, IntelliJ IDEA, VS Code, Linux

Core CS Foundations: Data Structures & Algorithms (DSA), OOPs, Relational Schema Design, MVC Architecture, System Optimization

PROFESSIONAL EXPERIENCE

Venura Tech | Certificate

Mumbai, India

Artificial Intelligence & Machine Learning Intern

May 2026 – Jun 2026

- Engineered end-to-end data pipelines using Python, Pandas, and NumPy for automated preprocessing, imputation, and feature scaling.
- Trained and evaluated supervised classification and regression models using Scikit-Learn, achieving robust cross-validation accuracy.
- Conducted exploratory data analysis (EDA) and statistical hypothesis testing, delivering visual insights via Matplotlib and Seaborn.

InAmigos Foundation (IAF) | Certificate

Remote

AI Web Development Intern

Jun 2026 – Jul 2026

- Developed scalable full-stack web modules integrating backend business logic with responsive user-facing dynamic interfaces.
- Designed and consumed RESTful API endpoints for asynchronous data transmission, ensuring high performance and payload security.
- Collaborated in an agile workflow with code reviews, modular component refactoring, and Git version-control best practices.

Heuristic Academy | Certificate

Mumbai, India

Android Developer Intern

Jun 2024 – Aug 2024

- Architected modular Android client interfaces in Java and XML, implementing structured Activity/Fragment lifecycles and MVC separation.
- Integrated local SQLite relational database caching, reducing redundant network requests and speeding up offline query retrieval.
- Engineered background multithreading for asynchronous JSON API serialization, maintaining consistent 60fps UI responsiveness.

Suven Consultants and Technology Pvt Ltd | Certificate

Mumbai, India

Software Engineering Intern – Problem Solving Using C++

Jun 2023 – Jul 2023

- Engineered and benchmarked 25+ algorithmic solutions in C++ covering trees, dynamic programming, recursion, and linked lists.
- Applied Object-Oriented Programming (OOPs) design patterns and modular abstractions to minimize runtime memory footprint.
- Optimized asymptotic time and space complexities, improving execution throughput across algorithmic data structure routines.

KEY PROJECTS

Task Management System | [GitHub](#) | Java, Spring Boot, Spring Data JPA, Hibernate, MySQL, Thymeleaf

- Architected a full-featured enterprise MVC web application with complete CRUD functionality for managing multi-user tasks.
- Implemented priority scoring algorithms, dynamic deadline tracking, status filtering, and custom relational queries in MySQL.
- Integrated Spring Data JPA and Hibernate for automated ORM persistence and transactional schema mapping.

Student Management System | [GitHub](#) | Java, Servlets, JSP, JDBC, MySQL, MVC Architecture

- Developed a web application to streamline student academic record lifecycles, grade auditing, and database persistence.
- Engineered a modular MVC architecture separating Controller servlets, dynamic JSP views, and JDBC DAO layers.
- Executed secure parameterized SQL queries with MySQL to enforce relational data integrity and prevent SQL injection.

CERTIFICATIONS & HONORS

Infosys Springboard Certification: Data Science & Machine Learning with Python, EDA, and Statistical Modeling

Suven Consultants & Technology (Certificate): Certificate of Merit in Problem Solving & Algorithmic Programming in C++

NPTEL (IIT) (Certificate): Design Thinking – A Primer (Methodologies for structured, user-centric engineering solutions)

Competitive Coding & DSA: Active problem solver on LeetCode ([afifasyedd](#)) with focus on Data Structures & Algorithms