

# TATRASI AMAR

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## EDUCATION

**Jayaprakash Narayan College of Engineering**

**2021 – 2024**

Bachelor Of Technology[B Tech-CSE] - **CGPA – 6.86**

Mahabubnagar, Telangana

**Jayaprakash Narayan College of Engineering**

**2018 – 2021**

Diploma in - EEE - **CGPA – 6.49**

Mahabubnagar, Telangana

**Sri Saraswathi Shishu Mandir**

**2009 – 2018**

Secondary Education - **CGPA - 9.0**

Narayanpet, Telangana

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, HTML, CSS, basics of JavaScript

**Frameworks & Technologies:** Basics of JSP, Servlets, Spring, Hibernate

**Databases:** MySQL, basics of MongoDB

**Tools & Platforms:** API, Jupyter Notebook, Git, GitHub, VS Code, MS Excel

## PROJECTS

**Library Management System | Java | SQL | NetBeans**

**Aug,2024**

- Developed a Java-based library management system, improving book tracking efficiency by 40%.
- Managed over 2,000 book entries with SQL, reducing data retrieval time by 30%.
- Built an intuitive interface using NetBeans IDE.

**Early Prediction of Students Performance in Higher Education | Python | Machine Learning**

**May,2024**

- Designed a machine learning model with 85% accuracy to predict student performance.
- Processed data for over 1,000 students using Anaconda and Jupyter Notebook.
- Implemented algorithms to reduce prediction error rate by 20%

**Arduino CNC Drawing Machine | Arduino | GRBL Software | Stepper Motor**

**Dec,2023**

- Built a CNC drawing machine with 0.1mm precision, reducing manual effort by 70%.
- Achieved a 50% cost reduction compared to commercial solutions through efficient project management.
- Programmed to achieve 0.1mm precision, showcasing advanced hardware-software integration

## INTERNSHIP

**Java Programming | Codsoft**

**Nov-Dec, 2023**

- Completed a 4-week virtual internship focused on Java application development.
- Created projects including an ATM interface, number guessing game, and student grade system.
- Improved debugging efficiency by reducing Java application bugs by 40%

## CERTIFICATIONS

From Coursera & IBM - **Introduction to Cloud Computing , Introduction to Web Development with HTML, CSS, and JavaScript**, From CODSOFT: **Java Programming, Web Development**, From EY-GDS: **Full Stack Web Development**, From CISCO: **CCNA-Introduction To Networks**, From Great Learning: **Data Structures and Algorithms in java for Intermediate level** , From Great Learning: **Generative AI for Beginners**, From Oracle Academy: **Java Fundamentals**.

## TEST SCORE: TCS NQT-IT

**Foundation Section: 57.84%, Advanced Section: 77.10%, Programming Score: 57.87% Total Percentage : 61.70%**

**LANGUAGES:** English, Hindi, Telugu

**HOBBIES:** Problem-solving.