

Jeevana Priya Maddela

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EDUCATION AND TRAINING

Bachelor of Technology - 4 years Degree (8 semesters) [2020 – 2024]

JNTUH (Jawaharlal Nehru Technological University Of Hyderabad

Field(s) of study: Information Technology | **Final grade:** 8.7/10 CGPA – Passed with Distinction (Gold medal)

Bachelor's Thesis:
Developed **Eco Grow**, a next-generation smart agriculture platform combining AI, LLM-driven analytics, and e-commerce into a unified solution. Enabled real-time crop health monitoring, intelligent disease prediction via image analysis, and data-driven farming recommendations, while empowering farmers with a digital marketplace to maximize yield and revenue.

Other Project:
Developed **Algo Analyzer v2**, an enhanced and optimized iteration of the original Algo Analyzer, incorporating advanced features and improved performance for analyzing complex data structures and algorithms. Implemented and visualized key algorithms including sorting techniques, binary search, Dijkstra's algorithm with obstacle-based scenarios, BFS, DFS, and Prim's algorithm. Strengthened computational analysis through improved efficiency, better visualization, and more robust handling of real-world problem scenarios.

Relevant Subjects: DSA, AI, OOPS, CN, OS, DBMS, Engineering Mathematics, Probability & Statistics, Data Mining, Software Engineering, Web Technologies, Mobile Application Development, Programming for Problem Solving (C Language), Java, Python.

Intermediate - 2years (6 semesters) [2018 – 2020]

Narayana Junior College

Field(s) of study: Mathematics, Physics, Chemistry | **Final grade:** 9.07/10 CGPA Passed with Distinction (Gold Medal)

Secondary Board Of Education - 10 years [2017 – 2018]

Narayana

Field(s) of study: All subjects studied at the school level | **Final grade:** 9.2/10 GPA Passed with Distinction (Gold Medal)

WORK EXPERIENCE

Accenture Pvt Ltd – India

Email address: m.jeevana.priya@accenture.com

SDET (Software Development Engineer in Test) [21/08/2024 – Current]

- **Roles and responsibilities:** Owned end-to-end automation activities including test strategy design, framework development, script implementation, defect tracking, and continuous quality improvement across the QE lifecycle.
  AI-driven internal tool (DIPA): Contributed to the development of an internal QE solution enabling automatic generation of test scripts, significantly accelerating automation efficiency and improving team productivity.

- **Engineered and maintained** scalable automation frameworks using **Playwright (JavaScript)** and **Selenium (Java)**, improving test execution efficiency by **40–50%**.
- **Designed and executed** functional, regression, and end-to-end test suites, increasing defect detection rate by **~30%** and minimizing production issues.
- **Constructed** reusable Page Object Model (POM) and hybrid BDD frameworks, improving test reusability by **~40%** and reducing maintenance effort.
- **Accelerated** automation development by generating test scripts and files using **GitHub Copilot**, enhancing productivity by **35–45%**.
- **Optimized** element identification by implementing advanced locator strategies, reducing flaky tests by **25–30%**.
- **Validated** backend services through API testing using **Postman**, lowering API-related defects by **20–25%**.
- **Integrated** automated test suites into CI/CD pipelines using **Jenkins** and **GitHub Actions**, reducing release cycle time by **25–35%**.
- **Applied** Test-Driven Development (TDD) and Behavior-Driven Development (BDD) methodologies to strengthen test coverage and improve code quality.
- **Collaborated** with cross-functional teams to design robust automation solutions, reducing manual testing effort by **~60%**.
- **Facilitated** Knowledge Transfer (KT) sessions, enabling multiple teams to adopt automation frameworks and best practices effectively.
- **Verified** complete end-to-end workflows, improving system integration accuracy and ensuring consistent user experience.
- **Sustained** application quality by executing continuous regression testing, reducing critical defects in production by **30–40%**.

PROJECTS

App Tracker Job and university application tracker with resume builder, profile management, job alerts, notifications, and automation tools for streamlined applications.Tech Stack: Flutter (Dart), GoRouter, Supabase Flutter SDK, URL Launcher, FastAPI, Uvicorn, Playwright (Python), ReportLab, python-dotenv, Supabase (PostgreSQL), Google Gemini API, Groq API, LinkedIn Scraper, GitHub, Netlify, Firebase Cloud Messaginghttps://github.com/jeevana1234/AppTracker

Socket Programming UDP 2 - Way Connection Developed UDP-based socket communication for satellite-ground station link in OBC systems, enabling reliable two-way data transfer, inspired by aerospace communication protocols and research studies.Papers referred1. Development of On-Board Computer for a Nanosatellite2.Low-Earth-Orbit Satellite Internet Protocol Communications (NASA)https://github.com/jeevana1234/SocketProgramming_UDP_TwoWayConnection

Algorithm Analyzer Algo Visualizer is a tool for visualizing Fundamental Algorithms in Sorting, Searching, and Path Finding. This involves comparison between different algorithms and visulization of how each of them works. You can compare the algorithms' speed or how one is better than others.Tech Stack: Svelte, HTML, CSS, JShttps://algo-analyzerv2.netlify.app/

Online UI Editor UI Editor is an online code editor for HTML, CSS, and JS that can display the entire webpage of the code written in the code boxes respectively.Here is the website link deployed on Netlify: https://front-end-code-editor.netlify.app/Tech Stack used: ReactJS, NodeJS, JS, HTML, and CSS

Smart Grasp SmartGrasp is a complete system for detecting cups and their handles in images, then providing safe grasping instructions for robots. The system uses OpenCV for fast detection and provides both a web interface and command-line tools. https://github.com/jeevana1234/SmartGrasp

SKILLS

Programming Languages: Java (Java 17) , JavaScript, Python, SQL | AI & Analytics: Github Copilot, Natural Language Processing (NLP) , Snowflake | Feature Engineering Tools & DevOps: Git, Jenkins, Maven | Cloud & Platforms: Microsoft Azure | Methodologies: Agile, Scrum | AI Tools: Ollama (v0.1.x), LLaMA models | Frameworks: Spring Boot, Bootstrap, Svelte | Libraries: Selenium WebDriver, TestNG, React JS

CERTIFICATIONS

[Accenture]
Selenium WebDriver with Java, Java Spring Boot Developer

[Google]
Google AI Leader, Vertex AI Search and Gemini Enterprise Analytics, Create Data Stores for Gen AI Applications, Vertex AI Search and Gemini Enterprise UI Configurations

[Microsoft]
Azure Fundamentals (AZ-900)

[Epam]
C programming

[HackerRank]
Python HackerRank

[IIT Bombay]
Python certificate

[Cisco networks]
Java

HONOURS AND AWARDS

JNTUH (Jawaharlal Nehru Technological University Of Hyderabad)
Quest For The Best (competitive Programming) Secured Gold Medal (1st Place) in a national-level competitive programming contest, excelling across easy, medium, and hard challenges by optimizing coding efficiency, language usage, and memory performance—demonstrating top-tier algorithmic and problem-solving expertise.

VJIT
Crypto-Quest (Competitive Programming) Achieved **Silver Medal (2nd Place)** in the national-level *Crypto Quest* coding competition, excelling across multi-level challenges (easy, medium, advanced) and demonstrating outstanding logical reasoning and problem-solving excellence.

Google
Ideathon (GDSC 17 Sustainable Development, Responsible Consumption and Productivity) Participated in Ideathon, proposed salvage platform for responsible consumption, enabling vehicle owners to register old vehicles online for inspection, evaluation, and efficient scrapping process.

YourStory, Snowflack
Dev Premier League 2025: Top 10 finalist AI data analysis project Selected as Top 5 finalist in Dev Premier League 2025, developed AI-driven stock analysis project using Python, Snowflake, and LLMs, enabling data scraping, processing, and insightful decision-making.

VOLUNTEERING

MSME (Micro, Small and Medium Enterprises) Coordinator and Project Presenter Acted as Coordinator and **Principal Presenter** in a prestigious MSME initiative, leading the end-to-end development of a robust electronic voting system. Engineered a highly secure web-based platform to combat fraud and enhance transparency, demonstrating leadership, innovation, and real-world problem-solving excellence.

Certificate of Appreciation for leading the event in National Level Techno Fest Led the IT Department as Head Coordinator for a national-level TechnoFest, orchestrating large-scale event execution, driving cross-functional collaboration, and ensuring seamless operations—delivering a high-impact, flawlessly managed experience with strong participant engagement.

PROFESSIONAL NETWORKING

See my work and connect me through!!!

LinkedIn, GitHub, LeetCode, HackerRank.

★*Recommendations are available on request*