Deepasri Mangipudi, B. Tech.

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Education

2020–2022 · · · · **AISSCE,** Kendriya Vidyala Picket.

2022– **B. Tech. (Current CGPA: 9.31)** Department of Computer Science and Engineering, ACE Engineering College.

Skills

Programming Languages	**C, Python, Java**
Web Development	**HTML, CSS, JavaScript, React.js**
Automation	**UiPath (RPA Explorer, Robotic Process Automation)**
Database	**MySQL**
Other Skills	**Cisco (Networking), Salesforce Smartinternz- Developer**

Certifications

NPTEL Certifications:	C Programming, Python for Beginners
Cisco Certifications:	C Programming Essentials, IT ESSENTIALS, Programming in Python, NETWORKING.
Microsoft Certifications:	Explore GenAI and Copilots Course (Learnathon 2024) MICROSOFT FABRIC AND DATA ANALYTICS, Configure Microsoft 365 Tenant (MS-102) CREATE COMPUTER VISION SOLUTIONS WITH AZURE AI VISION , DEVELOP GENERATIVE AI SOLUTIONS WITH AZURE OPENAI SERVICE.
Google Certifications:	INTRODUCTION TO GENERATIVE AI, TENSORFLOW BADGE .
UiPath Academy:	RPA Automation Explorer Training Badge, RPA Foundation Certificate.
Cambridge BEC Certificate:	Business English Certificate for advanced business communication. .

Hackathons and Workshops

2023 **Smart India Hackathon 2023:** , Internal Participation on the domain of Smart Education

2024 **Smart India Hackathon 2024**, Proposed innovative strategies to improve Android app security. .

Pega GenAI Blueprint Hackathon. Designed AI-driven solutions using Pega's platform. .

TCE Residential Workshop, IIT Madras. Prestigious hands-on program with IIT alumni. .

Projects

2022 **Crafting Headers in C :**

Designed Modular Header Files – Developed well-structured and reusable header files to enhance code organization, readability, and maintainability in C programming.

Improved Code Reusability – Implemented modular design principles, enabling efficient reuse of functions, macros, and data structures across multiple programs.

Streamlined Development Workflow – Reduced redundancy and improved collaboration by separating declarations from implementations, ensuring cleaner and more scalable code.

Projects (continued)

2023   **Typing Speed Tester in Python**
Built a Typing Speed Measurement Application – Developed a Python-based application to assess typing speed, accuracy, and efficiency.
Integrated Performance Tracking – Implemented real-time performance monitoring, displaying words per minute (WPM) and accuracy statistics for user improvement.
Designed a User-Friendly Interface – Created an intuitive and interactive GUI for seamless user experience, enhancing accessibility and engagement.

2024   **Recipe Book with Chatbot**:
Designed an Interactive Cooking Aid – Developed a user-friendly application that provides flexible cooking instructions with integrated audio-video support.
Implemented Step-Specific Timers – Enabled precise cooking control by incorporating timers for each step, ensuring accuracy and ease of use.
Focused on Preserving Traditional Recipes – Created an intuitive front-end to showcase and retain authentic Indian recipes, making them accessible to a wider audience.