Poli Prudvi Reddy

Course: **B.Tech,** Electronics and Communication Engineering,2025

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CGPA: 9+

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| **ACADEMIC DETAILS** | | | | | | | |
| **COURSE** | **SPECIALIZATION** | | **INSTITUTE/COLLEGE** | | **BOARD/UNIVERSITY** | **SCORE** | **YEAR** |
| UG | Electronics &Communication Engineering(pursing) | | Gandhi Institute of Technology and Management, Bangalore | | GITAM University | 9+  CGPA | 2025 |
| CLASS XII | MPC | | Sri Chaitanya Jr College | | AP Intermediate Board | 94.1 % | 2021 |
| CLASS X | Secondary school | | Sri Sai Vidyalaya High School | | AP SSC | 9.5 CGPA | 2019 |
| **OBJECTIVE** | | To secure a challenging position in a reputable organization where I can make best of my potential by expanding my learnings, skills and knowledge while making a significant contribution to the success of the company. | | | | | |
| **Subjects / Electives**  **Technical Proficiency** | | Neural Networks, Machine learning techniques Communication Networks Vlsi Design, Data structures with Python | | | | | |
| C, C++(basic), Verilog(basic), Python (with Dsa, Data visualization, AIML),my sql , linux | | | | | |
| **SUMMER INTERNSHIP / WORK EXPERIENCE** | | | | | | | |
| * **AWS – VIRTUAL INTERNSHIP\_EDUSKILLS(AICTE)** September 2023- November 2023 Gained knowledge of AWS Cloud Computing basic * [**Summer Development Program, GITAM University**](https://www.gitam.edu/)May 2024 - Present 2024 Gained knowledge of Arduino, Pcb design , embedded systems , PDLC, agile * [**Nextgen Connectivity ,GITAM University**](https://www.gitam.edu/)  May 2024 - Present 2024 Gained knowledge of python , linux , Gnu radio , usrp , virtual box | | | | | | | |
| **PROJECTS** | | | | | | | |
| **Image Modification Using Gnuradio Companion:**  Developed a project using GNU Radio Companion (GRC) to modify image format files, employing the GR Paint module for advanced image processing. Designed and implemented a complex flowgraph to manipulate image data through various signal processing blocks, ensuring accurate and efficient image modification. Integrated the GR Paint module to enhance image handling capabilities, applying sophisticated signal processing techniques to alter image attributes. Conducted thorough testing and debugging to optimize the image processing pipeline, demonstrating strong problem-solving skills and attention to detail. **Roman numbers to Decimal.**  A program that converts roman numbers into decimals by using python programming.  **communication techniques using gnuradio:** Implemented a comprehensive project using GNU Radio Companion (GRC) to demonstrate both analog and digital communication techniques. Designed and developed flowgraphs to simulate and analyze various communication systems, including AM, FM, PSK, and QAM. Leveraged GRC’s extensive library of signal processing blocks to construct and test these communication models. Integrated modulation and demodulation processes to facilitate effective signal transmission and reception. Conducted extensive testing and validation to ensure system accuracy and performance, showcasing strong technical proficiency and a deep understanding of communication principles. | | | | | | | |
| **SCHOLARSHIPS** | | | | | | | |
| Recipient of GITAM University Scholarship through successful performance in the GITAM Admission Test (GAT) | | | | | | | |
| **Technologies** | | | | | | | |
| * Django * Node.js * MySql * Git * Docker * Linux | | | | | | | |
| **Libraries** | | | | | | | |
| * Opencv * Pytorch * TensorFlow * NumPy * Pandas * Matplotlib | | | | | | | |
| * **CERTIFICATIONS** | | | | | | | |
| python | | | | coursera | | | |
| Artificial Intelligence Fundamentals | | | | IBM skillsbuild | | | |
| Python for Data Science and AI | | | | coursera | | | |
| AWS Academy Graduate - AWS Academy Cloud Foundations | | | | AWS academy | | | |
| **PERSONAL INFORMATION** | | | | | | | |
| DOB: 29-08-2003 Marital Status: Unmarried  Nationality: Indian | | | | | | | |
| **LANGUAGES KNOWN** | | | | | | | |
| English  Telugu  Hindi | | | | | | | |
| **DECLARATION** | | | | | | | |
| I hereby declare that all the information given above is true and correct to the best of my knowledge.  Poli Prudvi Reddy. | | | | | | | |