MANIDEEPA G

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Education

Cambridge Institute of Technology, Bengaluru	2022 – 2026
B.E. in Electronics and Communication Engineering	CGPA: 8.89 (upto 3rd year)
NTR PU College, Bengaluru	2022
Higher Secondary Education (12th Grade)	Percentage: 92%
Divya Jyothi English Medium High School, Bengaluru	2020
Secondary Education (10th Grade)	Percentage: 94.08%

Experience

Samsung PRISM Sep 2024 – Apr 2025

Research Intern – Implementation of Autocorrelation Algorithm

- Developed and optimized the **Autocorrelation algorithm** using C/C++, focusing on execution efficiency and accuracy.
- Contributed to software performance optimization, debugging, and validation through simulation and testing.
- Collaborated in a research team using Git for version control.
- Gained hands-on experience in algorithm design, problem solving, and software optimization.

Projects

Realtime Workflow Management Platform – Django, React, REST API, MySQL

- Developed a role-based workflow management system with secure CRUD operations and task approvals.
- Built interactive React dashboards to monitor task progress and team performance.
- Implemented REST APIs for secure frontend-backend communication and in-app notifications.

Online Food Delivery Web Application – Django, Python, MySQL

- Designed and implemented a full-stack food delivery web application enabling users to browse menus, add items to cart, and place orders seamlessly.
- Developed Add-to-Cart,Order History and Checkout functionality with dynamic cart updates, and order confirmation workflows.

Technical Skills

Languages: Python, C, C++, HTML, CSS, JavaScript
Frameworks: Django, React
Databases: MySQL
Tools: VS Code, PyCharm, Matlab, Jupyter Notebook, Overleaf, MS Excel
Coursework: Data Structures

Certifications

- Python for Beginners – Simplilearn
- Introduction To SQL – Simplilearn
- Python Basic Skill Certification-HackerRank

Achievements

- Volunteered as event coordinator in college cultural fests.
- Volunteered in NSS activities including blood donation and campus cleanliness drives.