GOURMANI

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EDUCATION

Siddaganga Institute of Technology — Tumkur, Karnataka
B.E in Electronics and Communication — *Dec. 2020 – June 2024*

Rose Public School — Darbhanga, Bihar
Intermediate — *10 CGPA*

Rose Public School — Darbhanga, Bihar
High School — *76.40*

EXPERIENCE

Internship at APSIS Solution — Sept 2022 - Oct 2022

- Designed a smart home automation system utilizing a PIC 18 Microcontroller and WiFi module.
- Enabled remote operation and control of home devices, improving accessibility and user convenience.

KPIT Technologies - Model Based Design (MBD) Trainee — Sept 2024 – Present

- Gained expertise in Model Based Design and scripting in Python for real-time system simulations
- Working on Hardware-in-the-Loop (HIL) Testing for automotive control systems
- Collaborated in an agile team, enhancing software quality and development efficiency

PROJECTS

RailEase: Intelligent Ticketing Database | *MySQL* — Sept. 2023
- Developed a Railway Reservation System database for passenger inquiries, bookings, and cancellations.
- Managed records of trains, statuses, and passenger details to ensure efficient system functionality.

SecureVision: AI-Driven Image Protection | *Deep Learning, Python* — Dec 2023 - May 2024
- Used advanced Convolutional Neural Networks (CNN) and Transfer Learning to analyze images in detail.
- Applied CNN to accurately extract features from images and used Transfer Learning to make use of pre-existing knowledge.
- Created a strong validation system to detect real and fake images, ensuring high-level security for image data.

Smart Resume Analyzer | *Python, Django, REST API, NLP* — Nov 2024 - Jan 2025
- Developed an AI-based resume screening system to automate candidate shortlisting.
- Implemented NLP algorithms (spaCy, NLTK) for resume parsing & keyword extraction.
- Created REST APIs for resume uploads, candidate scoring, and recruiter dashboards.
- Deployed the system on AWS (EC2, S3) for real-time processing of resumes.

TECHNICAL SKILLS

Programming Languages:Python,C/C++,MySQL
Fundamentals: Data Structure and Algorithm, Object-Oriented Programming,Computer Networks
Development: Django,RestApi,HTML, CSS,JavaScript
Tools:AWS, Matlab, MySQL Workbench, GitHub, VS code

ACHIEVEMENTS / EXTRACURRICULAR

- Participated in Tumkur Smart City Hackathon and secured a position in the top 10
- Secured 2nd place in Technisium (College Technical Fest) by presenting an innovative Gesture-Controlled Music Player project
- Solved 1000+ coding questions on various platform including GFG Leetcode and Codechef
- Contributed as a member of the College Cricket team, actively participating in multiple leagues and tournaments sanctioned by VTU