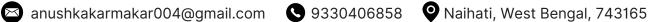
ANUSHKA KARMAKAR







www.linkedin.com/in/anushka-karmakar-581bb9253

ABOUT ME

Electronics and Communication Engineering student with a passion for software development, Al, and DevOps. Familiar with observability tools and real-world project workflows through academic and personal projects. Curious, driven, and guided by the goal of building meaningful tech that solves real problems and creates positive impact both in the world and in people's lives.

PROJECTS

Al-Powered Realistic Job Interview Simulation @ VIEW ON GITHUB

- Built an Al-powered interview chatbot that simulates real job interviews with multi-round support (HR, technical, behavioral) and dynamic, role-specific questions using NLP.
- Enabled real-time feedback and adaptive questioning, offering performance insights including strengths, weaknesses, and tailored improvement suggestions.
- Integrated speech recognition for voice-based interactions, enhancing user experience and providing a realistic interview environment.

Al Resume Analyzer # LIVE PREVIEW

- Built an AI-powered application that evaluates resumes using NLP and job description matching to identify key skills, gaps, and formatting issues.
- Generates an ATS (Applicant Tracking System) compatibility score and classifies resumes into different readiness levels (e.g., beginner, intermediate, advanced).
- Delivers structured feedback with suggestions to improve visibility and alignment with industry standards through an intuitive user interface.

AutoMaze: Q-Learning-Based Maze-Solving Robot @ VIEW ON GITHUB

- Developed a maze-solving robot using Q-learning, trained in Python and deployed on an Arduino UNO with a Q-table for real-time decision-making.
- Designed a Python-based simulator with GUI to visualize and test path optimization before hardware implementation.
- Programmed the robot to interpret sensor inputs, follow optimal paths, and adapt to various maze layouts
- Integrated AI with embedded systems, bridging the gap between simulation and physical deployment for real-world performance.

SKILLS

- Programming Languages: C, C++, Python, JavaScript, TypeScript, MATLAB
- Frontend: HTML, CSS, JavaScript, React.js, Tailwind CSS, Next.js
- Backend: Node.js, Express.js, Django, Flask
- Databases & Storage: MongoDB, SQL, Firebase
- Tools & Platforms: Git, GitHub, VS Code, Visual Studio, Postman, Excel, WebStorm, Notion
- Soft Skills: Problem-Solving, Communication, Teamwork, Adaptability, Time Management, Quick Learning

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

2022 - Present

- Kalyani Government Engineering College

Higher Secondary Examination

2019 - 2021

- Kalyani University Experimental High School - [WBCHSE]

91.6% 2017 - 2019

- Naihati Katyayani Girls' High School - [WBBSE]

90%

ACHIEVEMENTS

Secondary Examination

- Reliance Scholar (2022–2026): Awarded a prestigious merit-based scholarship by Reliance Foundation
- Legrand Mentorship Program (2023): Selected mentee in a program supporting women in STEM

CERTIFICATION

Python for Everybody – Coursera | University of Michigan | Completed Online

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Python Data Structures – Coursera | University of Michigan | Completed Online

• Introduction to Programming with MATLAB – Coursera | Vanderbilt University | Completed Online

VIEW CERTIFICATE

• Cybersecurity for Everyone - Coursera | University of Maryland | Completed Online

VIEW CERTIFICATE