# Amarjyoti Das

SOFTWARE & APPLIED AI DEVELOPER


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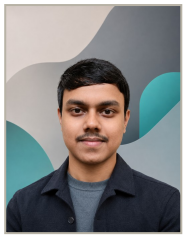

## 01 SUMMARY • Overview


Builds static Astro and TypeScript web platforms, Python and Go tools, Linux/Windows labs, and grounded AI workflows.


## 02 EXPERIENCE • Teaching & Lab Administration

### Part-Time Computer Teacher @ Radhanagar High School

2024 - Present

Hooghly, WB, IN

Teaches classroom computing and administers school lab workstations, operating systems, and LAN.

- **Instruction:** Teaches computing fundamentals, operating systems, and office productivity tools.
- **Lab Provisioning:** Provisions, patches, and maintains Windows lab workstations and apps.
- **Systems Support:** Diagnoses and resolves hardware, peripheral, OS, and classroom LAN faults.

## 03 CORE SKILLS • Web, Backend, Systems & Applied AI

### # Languages & CS Core #01

// Programming & Foundations

Programming, relational SQL, and core CS.

SKILLS

Python | Golang | SQL | Java | Data Structures | DBMS | Algorithms

### # Static Web & CI/CD #02

// Frontend, Tooling & DevOps

Static builds, CSS tokens, Docker, and CI/CD.

SKILLS

TypeScript | JavaScript | Astro | HTML/CSS | Docker | Git | CI/CD

### # Systems & Security #03

// Linux, Networking & Labs

Lab administration, Linux, and packet analysis.

SKILLS

Linux | Windows | TCP/IP | Wireshark | Packet Analysis | Nmap | Lab Administration | Training Methodology

### # Applied AI & LLMs #04

// Generative AI & Workflows

Prompt chaining, agent context, and safeguards.

SKILLS

Prompt Engineering | Prompt Chaining | Responsible AI | LLMs | Gemini | NotebookLM | Google AI Studio

## 04 EDUCATION • Degree & Vocational Training

### Bachelor of Computer Applications (BCA)

CGPA: 8.72 | 2023 - 2026

Manipal University Jaipur (Online Manipal) [UGC], Jaipur, RJ, IN

Six-semester degree covering data structures, DBMS, operating systems, computer networks, Java, Python, and Unix.

### CITS in Computer Software Application (CSA)

Marks: 88.8% | 2021 - 2023

National Skill Training Institute [DGT], Howrah, WB, IN

Instructor-training program in DBMS, Java, web technologies, networking, lab administration, and pedagogy.

### ITI in Computer Operator & Programming Assistant (COPA)

Marks: 87.3% | 2018 - 2019

Government ITI Jangipara [NCVT], Hooghly, WB, IN

Vocational qualification in operating systems, LAN/WAN networking, SQL, HTML/CSS, JavaScript, and Python.

## 05 CERTIFICATIONS • AI Credentials

### * Google AI Essentials Specialization #01

// Artificial Intelligence

Issuer: Google (Coursera)

Five-course specialization in AI/ML foundations, prompt engineering, generative workflows, and safeguards for bias, privacy, and hallucinations.

TOPICS

Generative AI | Prompt Engineering | Responsible AI | Machine Learning | AI Ethics | LLMs

### * Google AI Professional Certificate #02

// Artificial Intelligence

Issuer: Google (Coursera)

Applied track in prompt chaining, human-in-the-loop verification, source-grounded synthesis, data analysis, and Gemini/NotebookLM/AI Studio prototyping.

TOPICS

Applied AI | Prompt Chaining | Data Analysis | App Prototyping | Gemini | NotebookLM

## 06 LEARNING PLATFORMS • Backend & Security Practice

### @ Boot.Dev #01

// Backend & Systems

Project-based backend engineering track in Python OOP, Go concurrency, relational SQL, Linux, and Docker.

FOCUS AREAS

Python | Golang | SQL | Data Structures | Docker | Linux

### @ TryHackMe #02

// Security & Networking

Hands-on security and networking labs covering TCP/IP, HTTP, Linux permissions, Wireshark, Nmap, and privilege escalation.

FOCUS AREAS

Network Defense | Wireshark | Nmap | Packet Analysis | Privilege Escalation | CTF Labs