

Deepinder Singh

Email: deepindersinghbt7@gmail.com | GitHub: <https://github.com/deepindersinghbt7> |

Portfolio: <https://deepinders0627.netlify.app/>

LinkedIn: <https://www.linkedin.com/in/deepinders0627/>

EDUCATION

B.Tech in Computer Science Engineering
Amity University, Mohali (2025 – Present)
SGPA (Semester 1): 8.04

TECHNICAL SKILLS

Languages: C, C++, JavaScript, Python

Frameworks & Tools: Next.js, FastAPI, MongoDB, Git, GitHub

Platforms: AWS (Cloud Foundations), Ubuntu Linux

Domains: Web Development, AI/ML (Foundations), Robotics (ROS 2)

PROJECTS

- FairLens – AI Bias Detection Tool
 - Built a full-stack web application to analyze datasets and detect bias in decision-making systems
 - Implemented backend using FastAPI and frontend with Next.js
 - Integrated AI-based insights (Gemini API) to explain fairness issues
 - Designed interactive visualizations for selection rates
- PIXEL Collaboration Platform
 - Developed features like proposal creation, voting system, and role-based access control
 - Worked with MongoDB and Next.js App Router architecture
 - Improved UI/UX including theme switching
- Personal Portfolio Website
 - Developed responsive portfolio using HTML, CSS, and JavaScript
 - Implemented dark mode with system preference detection

- Deployed on Netlify with GitHub integration

CERTIFICATIONS

- AWS Academy Cloud Foundations
- AWS Cloud Quest: Cloud Practitioner

TECHNICAL EXPERIENCE & LEARNING

Hands-on experience with Ubuntu Linux

Worked with ROS 2 (Jazzy) including pub-sub and simulations

Explored AWS services such as VPC, EC2, and cloud fundamentals

ACHIEVEMENTS & LEADERSHIP

NCC Cadet – Completed 'A' Certificate (2022)

Green House Captain (School Leadership Role)

International English Olympiad (SOF) – Gold Medalist