

# Shashanka Das

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## EDUCATION

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### Chandigarh University

*Bachelor of Engineering in Computer Science*

Mohali, Punjab

Aug. 2021 – May 2025

### Holy Cross School

*Higher Secondary*

Agartala, Tripura

May 2021

## CERTIFICATIONS

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### Deep Learning and Reinforcement Learning

May 2024 – June 2024

*Coursera-IBM*

- Gain a solid understanding of neural networks, reinforcement learning fundamentals.
- Acquire practical skills in using popular frameworks like TensorFlow and PyTorch to train, evaluate, and optimize models for real-world applications.
- Explore the ethical considerations, societal impact, and responsible deployment of deep learning and reinforcement learning systems through case studies and projects.

### Data Structure and Performance

Dec 2023 – Jan 2024

*Coursera-UC San Diego*

- Develop a strong understanding of fundamental data structures such as arrays, linked lists, stacks, queues, trees, and graphs, along with their implementation and applications.
- Learn to analyze and optimize the performance of algorithms and data structures, focusing on time and space complexity, and applying techniques to improve efficiency in various computational problems.

### Developing AI Applications with Python and Flask

Dec 2023 – Jan 2024

*Coursera-IBM*

- Learn to integrate AI models into web applications using Python and Flask, enabling the creation of interactive and intelligent web services.
- Gain skills in deploying AI models as RESTful APIs, ensuring they are accessible for real-time use in various applications and understanding the full lifecycle of AI application development.

### Principles of UX/UI Design

Jun 2023 – Aug 2023

*Coursera-Meta*

- Master both the basic and advanced features of JavaScript, including ES6 syntax, asynchronous programming, and modern JavaScript libraries and frameworks.
- Gain expertise in developing mobile applications, focusing on building responsive, user-friendly interfaces and ensuring cross-platform compatibility using JavaScript-based frameworks.

## PROJECTS

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### Hosting a Static Website with AWS |

April 2024 – June 2024

- Learn to set up and configure an AWS EC2 instance, including launching, connecting, and managing the instance for web hosting purposes.
- Gain skills in deploying a static website to an EC2 instance, including transferring files, configuring the web server, and ensuring the website is accessible on the internet.

### Smart Agriculture: Integrating IoT, AI, and Data Analytics |

Dec 2023 – Mar 2024

- Learn to deploy IoT devices for real-time monitoring of crop conditions, including soil moisture, temperature, and humidity, to enhance precision farming.
- Gain expertise in using AI and data analytics to process and analyze agricultural data, enabling predictive insights and informed decision-making for sustainable crop management.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, Google Collab Platform, VS Code, Visual Studio, Python Idle, IntelliJ, Eclipse, JupyterLab

**Libraries:** pandas, NumPy, Matplotlib