

# Tusshar Gupta

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## EDUCATION

**Jaypee Institute of Information Technology**  
*Bachelor of Technology in Computer Science Engineering*  
CGPA: 9.0/10

Noida, India  
Sep. 2021 – May 2025

## EXPERIENCE

**Intern** June 2024 – Present  
*STMicroelectronics*

- Designed and implemented a **Python** script leveraging the **SpaCy** library to automate information extraction from ticket descriptions, achieving a **50% reduction in ticket handling time**.
- Developed and optimized dynamic **Power BI** dashboards to visualize key performance metrics, effectively demonstrating the positive impact of automation on operational efficiency.
- Streamlined reporting processes by replicating Power BI dashboards in the **ServiceNow** reporting system, resulting in a **90% reduction in dashboard creation time** while maintaining data accuracy and continuity.

## PROJECTS

**DigiCertify - Certificate Generation and Verification** | GitHub March 2024 – May 2024

- Developed a secure and decentralized certificate generation and validation web application using **React, blockchain, and IPFS technologies**, ensuring data integrity and user authentication.
- Facilitated user-friendly certificate generation by providing a selection of predefined templates for various purposes, such as course completion, faculty development programs, and hackathon events.
- Tech Stack : MongoDB, React, Node.js, Solidity, Docker

**Crop Recommendation System** | GitHub | Website Sep. 2023 – Nov. 2023

- Created a machine learning model which utilizes datasets containing soil nutrient levels, climate conditions, and pH levels to recommend the most suitable crop.
- Integrated the model into a user-friendly web application that considers geographical location and user-provided soil characteristics such as pH value, soil type, and nutrient concentration to provide recommendations for the most suitable crops.
- Tech Stack : Python, Flask, HTML, CSS, JavaScript, Redis

## TECHNICAL SKILLS

- Languages:** Python, C/C++, JavaScript, HTML/CSS
- Frameworks:** React, Node.js, Flask, Django, Express.js
- Database:** MySQL, MongoDB, Redis
- Developer Tools:** Git, GitHub, VS Code, PowerBI, Docker

## CERTIFICATES

- IBM Full Stack Software Developer** — Coursera, July 2023 
- Java Programming and Software Engineering Fundamentals Specialization - Duke University** — Coursera, July 2022 

## ACHIEVEMENTS

- Achieved **Specialist** on Codeforces with a peak rating of 1402.
- Achieved **3-star** rating on CodeChef with a peak rating of 1689.