Shruti Pandey

Durgapur, West Bengal
Email: shru4350@gmail.com   Phone: +91 9339709474
LinkedIn: linkedin.com/in/shruti-pandey-16shru   GitHub: github.com/Shruti-p1601

OBJECTIVE

Software Engineer with academic and project experience in Java, Python, JavaScript, and SQL, with strong fundamentals in Data Structures, OOP, SDLC, and DBMS. Seeking an Associate System Engineer role at IBM to contribute to reliable and scalable software solutions.

SKILLS

Programming: Java, Python, JavaScript, SQL
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), Software Development Life Cycle(SDLC), Database Management Systems (DBMS)
Web: HTML, CSS, React, Tailwind CSS
Tools: Git, GitHub, VS Code
Fundamentals: Operating Systems, Computer Networks
Soft Skills: Communication, Teamwork, Analytical Thinking, Adaptability

EDUCATION

Bengal College of Engineering and Technology	**2022 − 2026**
B.Tech in Computer Science (CGPA: 7.51 till 6th sem)	Durgapur, West Bengal
Bidhan Chandra Institution for Girls (WBCHSE)	**2022**
Class XII (67.6%)	West Bengal
Carmel Convent High School (ICSE)	**2020**
Class X (78%)	West Bengal

EXPERIENCE

Project Intern — Infosys Springboard   **2025 − Present**
- Hands-on experience in Python, NLP, Git, and web development through a project-based internship.
- Developed an **AI-based Resume Analyzer and Skill Gap Detector** to analyze resumes against job descriptions and identify missing skills.

PROJECTS

1. AI-based Resume Analyzer and Skill Gap Detector
- **Tech Stack:** Python, NLTK, Pandas, Regex, Git, GitHub
- Developed a Python application to analyze resumes against job descriptions and identify missing skills.
- Built modular scripts for parsing, processing, and skill comparison, providing actionable insights for career improvement. Link

2. Personal Portfolio Website
- **Tech Stack:** HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, Framer Motion, EmailJS, Git and GitHub, Vercel
- Designed and deployed a responsive portfolio showcasing projects, skills, and experience with smooth animations and modern UI/UX.
- Integrated a functional contact form and continuous deployment pipeline for user interaction. Link

3. Deep Learning-Based Dragon Fruit Quality Assessment
- **Tech Stack:** Python, TensorFlow/Keras (NASNetMobile), OpenCV, Pandas, Matplotlib
- Developed a deep learning model using NASNetMobile to classify dragon fruit as Fresh or Defective, achieving 95% accuracy
- Preprocessed and augmented 3,000 images, trained the model with global average pooling and dense layers, and evaluated using precision, recall, and confusion matrix for robust real-world performance. **Ongoing**

CERTIFICATIONS

- Full Stack Web Development using Java – Ardent Computech Pvt. Ltd.
- Oracle Cloud Database Certification
- Generative AI – OutSkill
- Research Paper Presentation – Jadavpur University