

# SHIVANGI TIWARI

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## PROFESSIONAL SUMMARY

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Computer Science Engineering student with strong foundations in Java, Spring Boot, SQL, AWS, Machine Learning, and Data Science. Experienced in building full-stack web applications, developing machine learning classification models, and working with cloud-based solutions. Proven ability to train models, analyze datasets, and collaborate in team-based projects. Actively seeking Software Development / Data Science / Cloud internships

## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, SQL, JavaScript

**Frameworks & Tools:** Spring Boot, ReactJS, Streamlit

**Web Technologies:** HTML5, CSS3, JavaScript

**Cloud & DevOps:** AWS (EC2, S3, IAM), Cloud Fundamentals

**Data & AI:** Machine Learning, Data Science, Generative AI, SHAP, LIME

**Databases:** MySQL

**Platforms:** GitHub, Kaggle

## PROJECTS

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### Skin Cancer Classification using Generative AI

*Jan 2025 – Apr 2025*

- Developed a **machine learning image classification model** to detect and classify skin cancer from uploaded images
- Trained and evaluated models using **Kaggle datasets** with performance optimization techniques
- Implemented **SHAP and LIME** to explain model predictions and improve transparency
- Built an interactive **Streamlit web application** for real-time image-based predictions
- Collaborated in a **team of 5**, responsible for **model training and validation**
- **Tech Stack:** Python, Machine Learning, Streamlit, SHAP, LIME

### Secure File Transfer Web Application

*Sep 2024 – Jan 2025*

- Designed and developed a secure file-sharing platform using **OTP-based email authentication**
- Implemented responsive frontend using **HTML, CSS, JavaScript, and ReactJS**
- Enabled secure file access and controlled sharing workflows
- Worked as **Frontend Developer with backend integration support**
- **Tech Stack:** ReactJS, JavaScript, HTML, CSS

## INTERNSHIP EXPERIENCE

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### AWS Solutions Architect Virtual Internship – Forage

*May 2025*

- Designed cloud architecture diagrams for real-world client scenarios
- Estimated AWS service costs and prepared client-facing documentation
- Gained hands-on exposure to AWS architectural best practices

### Project Management Virtual Internship – Forage

*May 2025*

- Applied Agile, Hybrid, and Plan-Driven methodologies across project portfolios
- Delivered project status updates and recommendations to senior stakeholders

## Data Science Intern – Placify Technology (Vorins Technology)

*Jul 2025*

- Worked on real-world data science problems using Python
- Applied NumPy, Pandas, and Matplotlib for data analysis and visualization

## EDUCATION

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B.Tech in Computer Science and Engineering (CGPA: 9.27)

VIT Bhopal University, Bhopal

*Sep 2023 – Present*

Class XII – 87.6%

PM Shri Kendriya Vidyalaya No. 3, Bhopal

*Jul 2022*

Class X – 92.4%

PM Shri Kendriya Vidyalaya No. 3, Bhopal

*Jul 2020*

## CERTIFICATIONS

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- AWS Cloud Practitioner Course – Intellipaat
- NPTEL: Introduction to Machine Learning
- Coursera: The Bits and Bytes of Computer Networking
- Java Programming – VITyarthi
- Data Analyst Skill Certificate – OneRoadMap
- AI Immersion Program – CII-HP Centre for AI
- Python Essentials – VITyarthi

## ACHIEVEMENTS AND ACTIVITIES

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- Core Member, Data Science Club – VIT Bhopal University
- IEEE Computer Society Student Member

## ADDITIONAL INFORMATION

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Relevant Subjects: Object-Oriented Programming, DBMS, Operating Systems, AWS Cloud Practitioner

Languages: English, Hindi

