SHUBHAM SINGH

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SUMMARY

Data-driven Computer Science undergraduate specializing in Data Science, with strong foundations in machine learning, statistical analysis, and data visualization. Experienced in building predictive models, performing data preprocessing, and analyzing datasets using Python, Pandas, NumPy, and Scikit-learn. Passionate about extracting insights from data and developing intelligent solutions using machine learning and generative AI technologies.

EDUCATION

Amity University Mumbai, Maharashtra **2022 – 2026**

Bachelor of Technology in Computer Science & Engineering, Specialization: Data Science.

Minor: Business Studies | Foreign Language: German

Key Coursework: Operating Systems, Computer Architecture, Database Systems, Networking Fundamentals, Cryptography, Data Structures, Artificial Intelligence, Machine Learning.

SKILLS AND INTERESTS

Programming Languages: Python, JavaScript, HTML, CSS, SQL (MySQL)

Tools & Platforms: Git, GitHub, Jupyter Notebook, VS Code, PyCharm, Google Colab Notebook.

Core Competencies: Machine Learning & Deep Learning, Generative AI (Prompt Engineering, LLM-based Applications), Predictive Modeling & Statistical Analysis, Data Structures & Algorithms, Web Development, Analytical Thinking & Problem Solving.

Tools & Platforms: GenAI Tools: ChatGPT, Gemini, Copilot, Prompt Engineering, AI-assisted Development

Soft Skills: Leadership, Project Management, Team Collaboration, Communication, Continuous Learning.

INTERNSHIP EXPERIENCE

CodSoft (Virtual Internship) | *Data Science* June 2025 – July 2025

- Performed data preprocessing, cleaning, and exploratory data analysis (EDA) on real-world datasets.
- Built and evaluated machine learning models using Scikit-learn for predictive analysis.
- Used Python libraries (Pandas, NumPy, Matplotlib) for data manipulation and visualization.
- Applied feature engineering techniques to improve model performance.
- Collaborated remotely with team members to analyze datasets and present insights.

PROJECTS

Online Course Registration Portal

- Developed a web-based course registration system using PHP and MySQL.
- Designed database schema and implemented authentication functionality.
- Conducted testing and debugging to ensure system reliability.

Generative AI Mini Project

- Developed LLM-based workflows for automated summarization and content generation.
- Applied prompt engineering techniques to improve output accuracy.
- Integrated Generative AI APIs with Python-based applications.

Machinery Failure Detection System

- Built a machine learning model to detect potential machinery failures using system log data.
- Performed data cleaning, preprocessing, and feature extraction.
- Implemented predictive analysis to identify failure patterns.
- Monitored system metrics and evaluated model performance.

Portfolio Website

- Created a personal portfolio website showcasing projects, skills, and certifications.
- Integrated interactive UI/UX design and hosted it on GitHub Pages. *Tech Stack:* HTML, CSS, JavaScript

EXTRACURRICULAR & CERTIFICATIONS

Deloitte Australia – Data Analytics Job Simulation | Forage

- Completed a data analytics simulation focusing on forensic technology and business data analysis.
- Built an interactive data dashboard using Tableau to visualize business insights.
- Used Microsoft Excel for data classification, analysis, and deriving business conclusions.
- Interpreted datasets to support data-driven decision making.

Tata Group – Data Analytics Job Simulation | Forage

- Proposed a no-code predictive modeling framework using Generative AI for structured reasoning and feature evaluation.
- Designed an AI-driven collections strategy using agentic AI concepts and automation workflows.
- Applied Generative AI for decision support, documentation, and strategy simulation in a financial services context.
- Considered ethical AI principles and responsible AI implementation in analytics solutions.

CERTIFICATIONS

- Winner, SaWit.Ai Challenge – GUVI Geek Network, IITM Research Park
- Security Analyst Certificate Program – Reliance Foundation
- SOAR – AI to be Aware | Microsoft & NCVET, Skill India – Certified in AI fundamentals, cybersecurity basics, and responsible digital practices

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POSITIONS OF RESPONSIBILITY

- Event Coordinator – Technical Fest (Managed technical setup for 500+ participants)
- Core Committee Member – Hackathon (Handled system setup & coordination)

LANGUAGES

- English (Fluent)
- Marathi (Fluent)
- Hindi (Fluent)