

Shubham Singh

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Education

Vellore Institute Of Technology Bhopal
Bachelor of Technology in Computer Science
Final grade: 8.4

June 2021 – July 2025
Bhopal, Madhya Pradesh

Experience/Projects

Outlier - G2i

Oct 2024 – Current

AI Trainer

Remote

- Engineered optimized input frameworks for 50+ AI models, accelerating processing speeds while maintaining high accuracy.
- Performed extensive evaluations on AI outputs, reducing latency by 25% and enhancing system performance.
- Collaborated with diverse professionals to design tailored prompt strategies, boosting engagement metrics by 25%.
- Teamed up with 5 specialists to refine prompt strategies, aligning them with business goals and increasing user satisfaction by 20%.
- Implemented advanced machine learning techniques to refine model inputs, improving prediction accuracy by 15% and system responsiveness by 10%.
- Streamlined input optimization processes for AI models, enhancing processing efficiency and reducing response times by 10%.

Nation Environment Engineering Research Institute [NEERI], Nagpur

Nov 2023 – April 2024

Python and Machine Learning intern

Nagpur, India

- Engineered a robust data storage platform for Dr. Ashish's team, integrating machine learning and NLP to enhance candidate recommendations, resulting in a 40% increase in matching accuracy.
- Partnered with three colleagues to design a comprehensive database site for a network of more than 200 scientists; streamlined project tracking processes while implementing advanced ML and NLP strategies for enhanced recommendations.
- Designed a predictive system achieving 75%+ precision for team formation, boosting collaboration and efficiency.
- Improved team capabilities through training sessions on advanced ML tools, driving a 30% rise in efficiency.
- Developed scalable data management solutions, improving project tracking accuracy and reducing operational delays by 15%.

Personal Projects/Awards & Achievements

Credit card fraud detection

Jan 2024 - Mar 2024

- Architected a robust system with hybrid machine learning, achieving precise fraud detection and increasing detection accuracy by 20%.
- Amplified model effectiveness by 20% through optimizing data handling and refining the algorithm.

Olympic Analysis

July 2023 - Sep 2023

- Analyzed Olympic data and created 25+ visualizations using Python, Seaborn, and MATLAB, optimizing data processing efficiency by 20%.
- Devised an interactive Streamlit application to display insights and predictions, increasing user engagement by 30% and showcasing expertise in data visualization and analysis.

PUBLICATIONS

- [Credit Card Fraud Detection Using a Hybrid Machine Learning Algorithm](#)
- Comparative Analysis between Quantum and Conventional Computing and Machine Learning.

May 2024 – Current

Technical Skills

Languages and DataBases: Python, Pandas, Numpy, SQL, MySQL, Streamlit, Flask, Keras, PyTorch, Scikit Learn, Seaborn, Open CV, Open3d, Selenium, BeautifulSoup.

Visualization Tools: Tableau, Power BI, Jupyter, Google Colab, Git/GitHub, Git Lab.

Other Skills: Data Analysis, Machine-learning, Deep-Learning, Data Manipulation, Data analysis, Data Cleaning, LLMs, NLP, Web Scraping, APIs, Google Analytics.

Certification and Others

- Certification:** Google generative AI certificate | Coursera: Machine learning certificate from Stanford University and DeepLearning.ai | AI Engineering Professional Certificate from IBM | Cisco: Introduction to Data Science and Data Analytics.
- Memberships:** Student Member of the Internet Society - Member ID: 2278159 | Student Member of the Institute of Electrical and Electronic Engineers (IEEE).
- Language:** Hindi [Mother Tongue] | English [Fluent].
- Hobbies:** Singing | Competitive Gaming.