SPARSH BATRA

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EDUCATION

BHAGWAN PARSHURAM INSTITUE OF TECHNOLOGY, Guru Gobind Singh Indraprastha University

Bachelor's degree in Information Technology (B.Tech); CGPA: 8.539

Aug 2022 - Jul 2026 (Expected)

SKILLS SUMMARY

- Languages: Python, C++ (DSA), JavaScript, SQL, HTML, CSS
- Framework & Libraries: React, Bootstrap, Pandas, Numpy, Pytorch, Matplotlib, Scikit-learn
- Tools: Jupyter Notebooks, Excel, Tableau/PowerBl, Figma, MySQL, Adobe Creative Suite, MATLAB, SciLab
- Soft Skills: Leadership, People Management, Proficient Communication, Team Player

EXPERIENCE

Hughes Systique Corporation (HSC), Gurgaon, HR

Software Development Intern

June 2024 - July 2024

- · Collaborated on building a robust real-time inventory management system leveraging Python, MySQL, Java, and Git to efficiently track and manage stock across multiple locations.
- Actively contributed to User Interface design resulting in an intuitive and user-friendly software experience for users.
- Gained hands-on experience in troubleshooting and debugging code.

PROJECTS

STUDENT PERFORMANCE PREDICTION

(Pandas, Numpy, Scikit-learn, Matplotlib)

November 2024 - January 2025

- Achieved a 96% accuracy rate in forecasting student academic performance by developing and deploying a machine learning model.
- Improved data quality by 33% through handling missing values and encoding categorical variables.
- Conducted experiments with both classification and regression algorithms to identify the most suitable approach.
- Identified and comprehended key factors influencing academic performance through detailed analysis.

REAL TIME INVENTORY MANAGEMENT SYSTEM

(PHP, JavaScript, HTML, CSS, MySQL, XAMPP)

August 2024

- Developed PHP/MySQL system managing 1,000+ items, reducing stockouts by 30% with optimized filtering.
- Implemented responsive UI using HTML/CSS/JavaScript, improving user efficiency by 25% with easy item modification
- Designed E-R schema and DFDs, optimizing database queries for sub-second response times
- Deployed on XAMPP, achieving 99.9% uptime and supporting concurrent user access across different user accounts.

NETFLIX DASHBOARD

(SQL, Tableau)

July 2024 - August 2024

- Analyzed 80,000+ rows using SQL and Tableau to uncover streaming viewer preferences and trends.
- Created interactive dashboards visualizing ratings, genres, and viewership patterns across platforms.
- Delivered actionable insights for improved content recommendations and user engagement.
- Developed scalable solution for handling extensive data, enabling data-driven decision making.

KRISHIRAKSHAK SUBMISSION | APK

SMART INDIA HACKATHON 2023

September 2023

- Developed a cross-platform Flutter app using InceptionV3 deep learning for accurate plant disease detection and treatment recommendations.
- Achieved 70% faster diagnosis and 30% improved treatment accuracy by integrating expert verification and real-time Firebase backend.
- Empowered farmers with instant disease detection, reducing crop loss risks and improving agricultural decision-making efficiency with an easy-to-use app and multi-language interface.

ACCOMPLISHMENTS & CERTIFICATIONS

WELLS FARGO Software Engineering Job Simulation

February 2025

Understood the requirements for developing a financial portfolio management system and identified key data for tracking. Designed an entity relationship diagram (ERD) to visually represent the data structure and implemented it using IntelliJ. Successfully published the project on GitHub, ensuring accessibility and version control.

SMART INDIA HACKATHON September 2024

Cleared College Rounds for SIH, built a Job Portal with an Al Resume Builder

GOOGLE DATA ANALYTICS [7] August 2024

PROCESS DATA FROM DIRTY TO CLEAN

NAVOMESH 4TH EDITION 🖸 March - April 2023

Lead Designer of Navonmesh 4th Edition, the Annual Technical Magazine for the Computer Science & Engineering Department