Khushi Bhardwaj

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PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience in backend development, machine learning, data analysis, and full-stack projects. Skilled in Python, Java, Node.js, Express.js, React.js, SQL, and data-driven problem solving, with experience building APIs, validating data, developing ML applications, and analysing datasets for actionable insights. Curious about AI, technology, and business, with a strong willingness to learn, take ownership, adapt to new challenges, and persist until the task is completed.

EDUCATION

B. Tech - CSE — Dronacharya College of Engineering (affiliated to Gurugram University) 2024 – 2028 8.5/10 CGPA
XII (CBSE) — St. Michael's Sr. Sec. School 2023 – 2024 94%
X (CBSE) — St. Michael's Sr. Sec. School 2021 – 2022 98.5%

TECHNICAL SKILLS

Programming: Java, Python
Machine Learning: Scikit-learn, Data Preprocessing, Feature Engineering, Model Training, Model Evaluation
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
Frontend: React.js, HTML5, CSS3, JavaScript
Backend: Node.js, Express.js, REST APIs
Database: MySQL7
Version Control: Git, GitHub
Deployment & Hosting: Streamlit, Render, Vercel

EXPERIENCE

Backend Intern · Calance – IT services and IT consulting, Hybrid | July 2026 – September 2026

- Worked on a leave-record validation application to compare employee leave data across HRMS and Journyx systems and identify discrepancies between records.
- Independently worked on application development, testing, and making the application executable for validating leave records across both systems.
- Investigated data inconsistencies and validated records to improve the accuracy and reliability of the leave validation process.

Data Analysis Intern · Vodafone Intelligent Solutions, Online | November 2025 – December 2025

- Analysed large datasets using Python, Pandas, and NumPy to identify trends and generate business insights.
- Created visualizations using Matplotlib and Seaborn to communicate findings through interactive reports and dashboards.

Open-Source Contributor · GirlScript Summer of Code (GSSoC), Online | July 2025 – September 2025

- Enhanced front-end functionality and user experience of the project by implementing robust, responsive solutions using HTML5, CSS3, and JavaScript (ES6+).
- Successfully debugged and refined modular code within a collaborative GitHub environment, contributing to project stability and maintainability through thorough code reviews and version control.

PROJECTS

Scroll Sense (Python , FastAPI , Joblib , Scikit-learn , Streamlit , Pandas, Pytest , GitHub Actions)
Built an ML-based application that predicts potential smartphone addiction from screen time, social media usage, gaming, sleep, notifications, stress, and daily phone habits.
Developed a FastAPI inference layer and integrated the trained Scikit-learn model with a Streamlit interface for prediction and user interaction.
Implemented automated testing and CI workflows using Pytest and GitHub Actions.

Image Processing Service (React.js , TypeScript , Vite , Node.js , Express.js , MongoDB , Cloudinary)
Built a full-stack image processing application supporting user registration, image uploads, transformations, and retrieval through REST APIs.
Developed the backend using Node.js and Express.js with MongoDB and Cloudinary for image storage and processing workflows.

Caching Proxy Server (Node.js , Express.js , Axios , Yargs , JavaScript)
Engineered a Node.js/Express.js proxy server with in-memory caching to reduce redundant API calls by an estimated 30%.
Implemented TTL-based cache invalidation to maintain cache freshness while improving response efficiency.

ACHIEVEMENTS

- Winner – Women Techmakers Hackathon
- Semi-finalist – The Economic Times AI Hackathon

CERTIFICATIONS &PARTICIPATIONS

- 6-week Summer Analytics Program – IIT Guwahati
- Google's 5-Day AI Agents Intensive Vibe Coding Course
- Data Structures & Algorithm Design – NPTEL, IIT Kanpur
- Programming in Java – NPTEL, IIT Kharagpur
- Web Development – Udemy