

BHAVNA BARNWAL

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SUMMARY

Fourth-year **BTech CSE (AI & ML)** student aspiring to become a **Software Developer** with strong proficiency in **Java, Python, and problem-solving**. Experienced in applying academic knowledge to real-world projects, with internship exposure in **software development, web scraping, and data processing**. Quick learner with proven ability to adapt, collaborate, and deliver effective solutions.

EDUCATION

BTech CSE(AI&ML), University of engineering and management	8.80 (till 6th semester)
Class XII, Purwanchal Vidyamandir	90%
Class X, Purwanchal Vidyamandir	91%

PROFESSIONAL EXPERIENCE

CASHBOOK (Annulus Technology Pvt. Ltd.) KOLKATA

Data Processing & Web-Scraping Intern May 2025- June 2025

Built **Python scripts (BeautifulSoup, Requests, Selenium)** to automate large-scale data extraction from web sources and regulatory portals. Normalized raw datasets into structured **CSV/SQL tables**, improving analytics accuracy by ~25%. Implemented **ETL workflows on AWS Lambda & S3**, reducing manual data processing time by 6 hours/week. Strengthened skills in **data engineering, automation, and cloud workflows**.

BHARAT INTERN KOLKATA

Java developer intern June 2024 – July 2024

Developed and deployed **three Java-based projects** during internship.
Applied **object-oriented programming concepts** to real-world coding challenges.

PROJECTS

TravelItinerary – AI-Based Travel Planner

- Built an AI-powered travel planning system using React + Flask + GPT models.
- Generated personalized cultural itineraries by integrating Qloo Taste API and LLMs.
- Developed a structured workflow for user input processing, API integration, and AI response generation.
- Enhanced user experience with React frontend and dynamic itinerary recommendations.

VitalCure – Specialist Recommendation Website

- Built a **machine learning model** to predict diseases from symptoms and recommend specialists.
- Implemented ML algorithms to enhance **accuracy and user interaction**.

Desktop Assistant (Google Gemini API)

- Designed a **desktop assistant in Python** integrated with **Google Gemini API**.
- Automated task management and enabled **personalized smart responses**.

TECHNICAL SKILLS

- Programming: Python, Java, C, SQL
- AI/ML: NLP (NLTK), CNN, RNN, Machine Learning
- Data Analysis: Pandas, NumPy, Matplotlib, Seaborn
- Web: HTML, CSS
- Tools: Git, Jupyter, Google Colab, VS Code
- Databases: MySQL

ADDITIONAL

LANGUAGES: Hindi, English, Bengali

SOFT SKILLS: Communication, Adaptability, Fast Learning, MS Office

KEY COURSES: OOP, DBMS, Operating Systems, Software Engineering, Computer Networks, Machine Learning

INTERESTS: Social Work, Volunteering, Member of **Rotary Club**