

Amogha Khare

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Quick Links: [Portfolio](#)
Quick Links: [LinkedIn](#)
Quick Links: [Github](#)

EDUCATION

Vishwakarma Institute of Information Technology, Pune
B.Tech in Artificial Intelligence and Data Science, CGPA: 9.11 / 10

Aug 2023 — May 2027

Coursework: Advanced Data structures and Algorithms, AI, ML, Data Science, Probability and Statistics, Discrete Mathematics
Web Technology, Database Management Systems, Software Engineering

SKILLS

Programming Languages: C++, Java
Analysis & Visualization Tools: Python, Power BI, Microsoft Excel
Development: HTML, CSS, JS, NodeJS, ExpressJS, React, Angular
Database Management Systems: SQL, MongoDB

PROJECTS

User Management System | MERN Stack | <https://nrutyashreedanceacademy.in/>

Dec 2024 — March 2025

- The NDA (Nrutyashree Dance Academy) website serves as a comprehensive student portal designed to streamline the management of student activities, including fees, exam syllabi, and class timetables.
- With an intuitive interface, the platform allows students to easily access their schedules, check exam materials, and manage fee payments, ensuring a seamless educational experience.
- Key features include secure user authentication, real-time updates on important announcements, and a user-friendly dashboard that consolidates essential information.

Alzheimer's Disease Detection using CNN | Web Based Diagnostic tool

January 2025

- Developed a deep learning model using Convolutional Neural Networks (CNN) to classify MRI brain scans for early detection of Alzheimer's disease.
- Built a responsive web interface allowing doctors to upload MRI images and receive instant diagnostic predictions.
- Integrated real-time model inference with an intuitive UI for seamless user experience.

File Compression Tool | Java, Data Structures & Algorithms

Oct 2024 – Dec 2024

Designed and implemented a file compression and decompression tool in Java using Huffman Coding and Run-Length Encoding.

- Achieved significant reduction in file size for .txt files, .jpg and .png files by efficiently encoding repeated and frequent patterns.
- Applied core concepts of trees, priority queues, and binary encoding to simulate real-world compression techniques.
- Enabled cross-system file sharing by preserving original content integrity post-decompression.

Sales Performance Analysis | Data Science | Python, Power BI

June 2024 – July 2024

Led a complete data analysis pipeline—from preprocessing in Python to visual storytelling in Power BI—to extract business insights from sales data.

- Cleaned and transformed large datasets using Python libraries like Pandas and NumPy for consistency and accuracy.
- Conducted exploratory data analysis (EDA) to identify sales trends, customer behavior, and performance by region.
- Built an interactive Power BI dashboard with slicers, KPIs, and visuals to communicate findings and support strategic decisions.

EXPERIENCE

Vodafone Idea Foundation, Virtual Internship
Data Analysis & Power BI

Jun 2024 – Jul 2024
Pune, Remote

- Analysed datasets to uncover insights, applying data analytics techniques.
- Built interactive dashboards in Power BI for clear data visualization.
- Cleaned and pre-processed raw data to enhance data accuracy and relevance.
- Drove insights by analysing trends and patterns, contributing valuable findings for strategic initiatives.

Teacher Intern
CNS Melodia Music Academy

Oct 2023 – Oct 2024
Pune, On Site

- Assisted in designing and structuring lesson plans for music-related courses, focusing on effective teaching methodologies.
- Facilitated interactive learning sessions, helping students improve their practical skills and understanding of musical concepts.
- Managed student records and provided assistance with organizing events, contributing to smooth day-to-day operations.

EXTRA-CURRICULARS

Associate Startup Executive, Entrepreneurship Development Cell (EDC): Currently engaging with startups and innovators to bridge the gap between students and entrepreneurship. Responsible for initiating collaborations, reaching out to founders and mentors, and organizing startup-centric events, showcasing communication, networking, and event planning skills.

Curation Head, Vishwapreneur (National-Level E-Summit by EDC VIIT): Curated and onboarded high-profile guests including Vinayak Pai (MD, Tata Projects), content creators, and entrepreneurs featured on Shark Tank India. Played a key role in guest outreach, coordination, and scheduling for Pune's biggest e-summit, demonstrating initiative, professionalism, and exceptional communication skills.

Founder, Protons – Protein Balls Startup: Spearheading the development of a health-focused brand from ideation to product research. Leading R&D, branding, and early-stage business model creation for both D2C and B2B markets. Demonstrates entrepreneurial mindset, innovation, and team leadership.

Finance Associate, GeeksforGeeks Student Chapter: Collaborated with vendors and sponsors for event financing. Successfully negotiated a sponsorship deal with Budhani Bros, highlighting strong communication, financial planning, and vendor management skills.