

Bhavik D. Pawar

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EDUCATION

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- **Guru Gobind Singh College of Engineering and Research Centre** Nashik, India
Bachelor of Engineering - Computer Engineering (Pursuing) 2024 - Present
 - **MET Bhujbal Knowledge City, Institute of Technology** Nashik, India
Diploma in Computer Engineering 2021 - 2024

EXPERIENCE

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- **Backend Developer Intern** Jan 2026 – Feb 2026
4Fox Solutions Pvt. Ltd. Nashik, India
 - : Developed a scalable multi-tenant SaaS backend system using FastAPI.
 - : Implemented JWT-based authentication and Role-Based Access Control (RBAC).
 - : Designed database schemas using PostgreSQL and integrated Redis for caching.
 - : Deployed the application using Docker on cloud platforms (Render, Supabase, Upstash).
 - : Tested and documented APIs using Postman and Swagger.

SKILLS SUMMARY

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- **Programming Languages:** Python, Java, C++, SQL, Rust, JavaScript
 - **Machine Learning & AI:** Supervised Learning, Regression/Classification, Deep Learning, Feature Engineering, Optimization, Time-series Analysis, Automated ML Pipelines
 - **ML Frameworks:** TensorFlow, Keras, Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn
 - **Data Engineering & Automation:** Data Cleaning, Web Scraping, ETL Pipelines, API Integration, Agent-based Automation, Dataset Preparation for LLM/ML workflows
 - **Software Development:** OOP, Modular Architecture, Multi-threading (Java), Desktop Apps (Swing), REST APIs, Git-based Development
 - **Tools & Platforms:** Git, GitHub, Jupyter, Linux CLI, Docker, VS Code, IntelliJ, Windows/Linux Environments
 - **Databases:** MySQL, SQLite, Vector Databases
 - **Soft Skills:** Leadership, Clear Communication, Decision-making, Problem Solving

PROJECTS

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- **Sanctum — Multi-Tenant SaaS Backend (FastAPI, PostgreSQL, Redis, Docker):** Built a scalable multi-tenant backend with JWT authentication and RBAC. Designed REST APIs, ensured data isolation, and deployed on cloud (Render, Supabase, Upstash). (2026)
 - **VectorDoc: RAG Document Q&A System (Python, LLMs, ChromaDB):** Developed a RAG pipeline for querying documents using embeddings, vector search, and LLM-based responses. (2025)
 - **Predictive Model for Stocks (Machine Learning, Python):** Built an ML pipeline using technical indicators (RSI, MACD, OBV) for stock prediction on NIFTY50 data. (2024)
 - **Gradient Descent from Scratch (Algorithm):** Implemented gradient descent with adaptive learning and convergence tracking, validated against sklearn. (2023)
 - **DoIt — Java Modular Application (Java, OOP):** Developed a modular Java application demonstrating clean architecture and OOP principles. (2023)
 - **Java Banking Application (Swing + JDBC):** Built a desktop banking system with authentication, transactions, and JDBC-based storage. (2022)

PUBLICATIONS

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- **Genomic Sequence, Analysis and Functional Annotation Prediction Software:** Pawar, Bhavik D., et al. Journal of Computational Science and Engineering, Vol. 2, Issue 3, 2024, pp. 324–337.

EXTRACURRICULAR ACTIVITIES

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- **Advisor — Department Advisory Board, MET Bhujbal Knowledge City:** Contributed to academic planning, technical strategy, and student development initiatives.
 - **Member — Coding Club, GGS College of Engineering and Research Centre:** Engaged in competitive programming, technical discussions, collaborative problem-solving, and peer learning activities.

STRENGTHS

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- : Leadership • Analytical Thinking • Adaptability • Team Coordination • Technical Communication