

ATHARVA KARVAL

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Education

Marathwada Mitra Mandal's College of Engineering

Pune, India

Bachelor of Engineering in Computer Engineering; CGPA: 8.81/10.0

Aug 2022 – May 2026

Technical Skills

Languages: Java, C++, Python, JavaScript, TypeScript, SQL (PostgreSQL, MySQL), C#, NoSQL, HTML/CSS

Frameworks: React, Next.js, Node.js, NestJS, Express, Flask, PyTorch, TensorFlow, scikit-learn

Tools: Git, Docker, Kubernetes, AWS, Firebase, MongoDB, Redis, Linux, CI/CD (GitHub Actions)

Concepts: Data Structures & Algorithms, System Design, OOD, RESTful APIs, Microservices, Distributed Systems

Experience

Roxiler Systems

Oct 2025 – Present

Full Stack Developer Intern

Pune, India

- Architected scalable web apps using **React**, **NextJS**, **NestJS**, and **PostgreSQL**, ensuring high performance.
- Designed secure **RESTful APIs**, optimizing DB queries to reduce latency by 20% and release time by 40%.

Kahani Technologies Pvt. Ltd.

Jun 2025 – Aug 2025

Software Development Engineering Intern

Pune, India

- Engineered responsive web apps using **C# MVC** and **.NET Core**, enhancing user engagement by 35%.
- Optimized **SQL** queries and indexing, reducing page load time by 40% and API response time by 25%.

Xtreme Engineering Equipments Pvt. Ltd.

Mar 2025 – Apr 2025

Software Development Intern

Pune, India

- Built an industrial automation app using **.NET**, increasing operational efficiency by 75% via auto-monitoring.
- Designed high-concurrency **multithreaded** architecture handling 200+ simultaneous processes.

AkzoNobel

Jan 2025 – Feb 2025

Project Intern

Thane, India

- Developed heuristic sequencing algorithms in **Python**, improving manufacturing efficiency by 30%.
- Integrated real-time **SAP** data into **Power BI** dashboards for data-driven KPI tracking.

Projects

Campus Connect | TypeScript, React, MongoDB, Firebase, ML

Apr 2025

- Built real-time mentor matchmaking platform using ML algorithms with **99.9% uptime**; handled 500+ concurrent users.
- Implemented **JWT** auth, recommendation algorithms, and **NLP** for matching. Won **Sponsor's Choice Award** (HackSprint 2024).

Nectar - AI Agricultural Assistant | React Native, TensorFlow, Node.js

Dec 2023

- Developed AI mobile app achieving **92% accuracy** in plant disease detection using **Deep Learning** and **Computer Vision**.
- Created RESTful API with **Node.js** handling 100+ req/min. **Internal Round Winner** at Smart India Hackathon 2023.

Sea Tale – Restaurant Management System | NestJS, Next.js, PostgreSQL

Nov 2025

- Developed mobile-first full-stack platform with real-time order/billing workflows and **QR-based** table ordering.
- Built billing engine for GST/tax computation; Integrated **Supabase** for secure multi-role access (Admin, Customer).
- Added WhatsApp-based registration and CRUD for dish management.

CryptoLabPro - ML Trading Platform | Python, ML, Streamlit

Jun 2025

- Developed algorithmic trading modules with backtesting, real-time signal generation, and **NLP** sentiment analysis.
- Created interactive dashboards for volatility analysis and applied **Time Series** ML for price prediction.

Achievements

Awards: Sponsor's Choice Award (HackSprint 2025), SIH 2023 Internal Winner.

Competitive: AIR 1886 in Naukri Campus Test (Top 0.4% of 500K+ participants).

Certifications: Building GenAI Apps with MongoDB, AWS Academy Cloud Foundations.