

ANIL BABASAHEB ABHANGE

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Education

P.E.S Modern College of Engineering, Pune

B.E in Artificial Intelligence and Data Science; SGPA – 9.43 (TE)

Mar 2022 – Present

Technical Skills

- Programming:** Python, C/C++, HTML, CSS, JS
- AI & Machine Learning:** Data Annotation, Data Preprocessing, Model Training, Model Evaluation Testing
- Frameworks & Libraries:** NumPy, Pandas, OpenCV, Scikit-learn, Matplotlib, Seaborn, YOLO
- Databases:** SQL, MySQL, SQLite, MongoDB (NoSQL)
- Development Tools:** Git, GitHub, VS Code, Power BI, PowerPoint, Excel, Notion, Kaggle ,Agile
- Competencies:** Leadership, Teamwork & Collaboration, Good Communication, Quick Learner, Problem Solving

Work Experience

Engineering Bay Corporation

AI Python Developer Intern

Dec 2024 - Jan 2025

- Developed and integrated YOLOv8 object detection algorithms for autonomous UAV project using Python and OpenCV, optimizing for real-time detection accuracy on embedded systems.
- Preprocessed large image datasets for model training using Pandas, NumPy, and CVAT, improving annotation quality and reducing noise in model input.
- Contributed to the company's website development, resulting in a 25 % improvement in user interaction metrics.

Lawbook: The Constitution Platform [🔗](#)

Jan 2023 – Jun 2025

Product Developer

- Led frontend development of a legal tech platform, designing a responsive interface that improved usability for 1,000+ users.
- Collaborated with law students and developers to build the platform, ensuring seamless user experience and functionality.
- Attended 100+ investor meetings and competitions, conducting market research to drive platform adoption and growth.

National Service Scheme

May 2023 – Present

Technical Head

- Managed data and operations for 10+ institutional events with 1,000+ total participants, streamlining workflows and reducing manual effort.
- Coordinated with teams to organize event logistics, participant registration, and communication for smooth event execution.
- Utilized Google Forms, Sheets, and Excel for data collection and reporting, improving operational efficiency across teams.

Key Projects

GrapeHarvest India E-Commerce Platform

- Developed full-stack e-commerce platform with product filtering, shopping cart, and secure user authentication features.
- Integrated AI-powered chatbot for automated customer support and product recommendations to improve user engagement.
- Deployed platform to production with frontend hosted on Vercel and backend services on Render.

CommentIQ: AI-Powered Social Media Analytics Platform

- Building Next.js 14 web application integrating OpenAI GPT-5, YouTube Data API v3, and Reddit API to analyze social media comments with sentiment analysis, toxicity detection, and engagement scoring for content creators.
- Implementing PostgreSQL database with Prisma ORM, JWT authentication, and SHA256-based caching system to optimize API costs and ensure secure user data management with 24-hour cache invalidation.
- Deploying on Vercel with a clean analytics dashboard powered by Chart.js, supported by smooth background processing and controlled API usage for consistent performance.

Certifications & Achievements

Certifications: OCI 2025 Certified Data Science Professional [🔗](#) | Generative AI Professional [🔗](#) | AI Foundations Associate [🔗](#)

- Winner** – Ignite Pitch Competition 2024, MCOE | Awarded 5,000 prize and Special Jury Recognition for Legal Tech innovation
- Finalist** – COEP's i2i Innovation Challenge 2024 | Top EdTech Innovation among 200+ participants for gamified constitutional learning platform
- Top 100 Innovator** – Maharashtra State Innovation Challenge 2023 | AI-driven civic education solution (selected from 1,000+ submissions)
- Zonal Finalist** – Eureka! 2024, IIT Bombay | National-level competition in Advanced Technology Track for innovative startup pitch