ATHARVA DHURI
BTech Computer Engineering Batch 2026
Date of Birth: 06/08/2004

Education

MPSTME, NMIMS University	**2022 - 2026**

B. Tech in Computer Engineering
CGPA: 3.30/4

Pace Junior Science College	**2022**

HSC: 75.17 %

Thakur Vidya Mandir High School and Junior College	**2020**

SSC: 95.80 %

Projects

• **CollabDoc – Real-Time Collaborative Document Editor – 2025**
  ➢ Engineered a decentralized Google Docs clone using Node.js, Firebase, MongoDB, and Quill.js.
  ➢ Ensured zero overwrite errors during multi-user collaboration by implementing conflict-free editing with WebSockets.
  ➢ Optimized system for real-time synchronization and user presence tracking, enabling smooth editing for more than 10 concurrent users.

• **MediScan – AI-Based Medicine Information Extractor – 2025**
  ➢ Built an AI-powered mobile app integrating EasyOCR and Gemini LLM to extract and summarize drug details from packaging.
  ➢ Enabled multilingual summaries and image annotation, improving accessibility for non-English speakers.
  ➢ Streamlined patient access to medicine data, reducing manual lookup time by nearly 40%.

• **Biometric Liveness Detection using Gestures – 2025**
  ➢ Developed a lightweight Presentation Attack Detection (PAD) system using Python, OpenCV, and MediaPipe.
  ➢ Enhanced authentication security by detecting spoof attempts in under 200ms per frame.
  ➢ Validated the system across varied lighting conditions and achieved over 90% detection accuracy.

• **Mental Health and Well-Being App – 2024**
  ➢ Designed a Firebase-integrated mobile app for daily mood tracking and personalized well-being recommendations.
  ➢ App incorporated a mood calendar, goal completion tracker, and professional support suggestions.
  ➢ Increased user engagement significantly, by including gamified daily check-ins.

Internships

ABHISON ENGINEERING LLP – Backend Developer Intern – May 2025 – July 2025
  ➢ Developed a backend system with Python, Flask, and MySQL to integrate with a PLC-controlled robotic arm and barcode scanner.
  ➢ Automated batch-wise dispatch and medicine stocking workflows, reducing manual errors by 35%.
  ➢ Implemented grid-mapping algorithms to manage real-time inventory across 600 storage boxes.

Certifications & Publications

Research Paper – *"Securing the Software Development Lifecycle (SDLC) in Cloud Environments: A DevSecOps Perspective"*, presented at International Conference on Computer Science and Communication Engineering, May 2025.

CORE SKILLS

Technical Skills: Python, Java, Kotlin, SQL, TensorFlow, PyTorch, Scikit-learn, OpenCV, MediaPipe, Flask, Node.js, Firebase, MongoDB, Android Studio, Git, REST APIs, Docker, CI/CD Pipelines, Cloud (AWS/GCP)
Soft Skills: Team Leadership, Agile Collaboration, Communication, Research & Analysis, Problem-Solving, UI/UX Design, Project Management, Technical Documentation, Cross-Functional Teamwork

Achievements and Positions of Responsibility

• **Head of Content Writing – IET Committee, NMIMS (2023–24)**
Spearheaded formal communications & campaigns, boosting event participation by 25%.

• **Finalist – Cyber Cypher 3.0 Hackathon (2023)**
Designed a full-stack Hospital Management System with integrated pharmacy locator (Google Maps API) during an 18-hour sprint.

• **Advanced Participant – Semicode Hackathon (2023)**
Solved competitive algorithmic challenges in Java & Python, progressing through multiple elimination rounds.