

YASH DUBEY

B.Tech CSE (AI/ML) • Aspiring Developer • AI Enthusiast

Building impactful tech solutions at the intersection of AI, Full Stack Development, and Product Innovation.

 dubeyy426@gmail.com

 +91 9987642612

 Kanpur, Uttar Pradesh, India

 [linkedin.com/in/yash-dubey61](https://www.linkedin.com/in/yash-dubey61)

 github.com/YashDubey61

⚡ TECHNICAL SKILLS

LANGUAGES

Python, C++, C, Java, JavaScript, Dart

FRAMEWORKS & WEB

FastAPI, Flutter, React.js, Node.js, Express.js

DATABASES

MongoDB, MySQL, Supabase

AI / ML & SCIENCE

NumPy, Pandas, Scikit-learn, RDKit, InsightFace, RAG

TOOLS & PLATFORMS

Git, GitHub, VS Code, Postman, Xcode, Docker, Vercel

🎯 CORE COMPETENCIES

- Data Structures & Algorithms
- Machine Learning & RAG
- REST API Development
- OOP & System Design Basics
- Database Management
- Problem Solving

📜 CERTIFICATIONS

- Oracle Cloud Infrastructure AI Foundations
- Oracle Generative AI Foundations
- Oracle AI Vector Search

🏆 ACHIEVEMENTS

- Hackoverflow 4.0: Built Pindora Shield AI healthcare solution
- Selected for IIT Madras BS in Data Science & Applications
- Actively learning & building in AI/ML and Full Stack Development

👤 PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning with hands-on experience in building AI-powered healthcare solutions, full-stack applications, and fintech product concepts. Strong foundation in Python, machine learning workflows, and problem-solving. Actively building expertise in Data Structures & Algorithms, Full Stack Development, and product engineering through hackathons and real-world project development.

🎓 EDUCATION

Dr. A.P.J. Abdul Kalam Technical University (AKTU)

Sep 2024 – Jul 2025

Bachelor of Technology (B.Tech) - Computer Science Engineering (AI/ML)

- Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Theory of Automata, OOP with Java, Python Programming, Computer Networks, Machine Learning.

🚀 PROJECTS

Pindora Shield – AI Drug Safety & Discovery Assistant

Feb 2025 – Apr 2025

Python, FastAPI, RDKit, NumPy, ChEMBL, Open Targets, ML

- Developed an AI-powered platform to analyze molecular compounds and predict toxicity risks and drug interactions.
- Implemented SMILES string processing pipeline for molecular analysis and feature extraction.
- Integrated biological datasets (ChEMBL, Open Targets) and generated 3D molecular visualizations.
- Presented project architecture and live demo at **Hackoverflow 4.0** as part of Team Pixels.

VisionVerify – Multiface Facial Recognition Attendance

2024

Python, FastAPI, InsightFace / ArcFace, Flutter, Docker

- Engineered a facial-recognition attendance system featuring multiface identification from single classroom photos.
- Built high-throughput embedding comparison pipeline and connected Flutter client to FastAPI backend.

FinXfer – Global UPI-like Cross-Border Payments (Concept + MVP)

Jan 2025 – Present

Flutter, Node.js, FastAPI, MongoDB

- Designed a FinTech product concept for instant, low-cost cross-border payments inspired by India's UPI ecosystem.
- Architected QR-based payment workflows and researched blockchain settlement models.

Python 100 Projects Challenge

Aug 2024 – Present

Python, Automation, APIs, Data Analysis

- Building 100 modular Python projects covering automation scripts, REST APIs, and data analysis pipelines.

👥 POSITIONS OF RESPONSIBILITY

Team Member – Hackoverflow 4.0 (Team Pixels)

2024

- Collaborated with a cross-functional team to ideate, design, and develop an AI healthcare solution within hackathon deadlines. Contributed to model development, backend integration, and jury presentation.