

ABHYUDAYA

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EDUCATION

PW Institute of Innovation

Bengaluru, Karnataka

Oct 2023 – Oct 2027

Certification in Computer Science & Artificial Intelligence

- Relevant Coursework: **Data Structures and Algorithms, Web Development**, Operating Systems, Computer Networks, Machine Learning, Deep Learning

Indian Institute of Technology Guwahati

Guwahati, Assam

Oct 2023 – Oct 2027

B.Sc. in Data Science & Artificial Intelligence

- Relevant Coursework: **Data Structures**, Database Management Systems, Linear Algebra, Optimization, Statistics, Java Programming, AI Basics

WORK EXPERIENCE

Coding Club Member

Jan 2025 – Present

PW IOI

- Managed development and deployment of three open-source projects; organized biweekly coding contests.
- Improved participants' problem-solving skills, achieving a 20% faster average submission speed.

Sports Club President

Dec 2024 – Present

PW IOI

- Led PW IOI football and chess teams to multiple top-3 finishes at the Karnataka Youth Sports Festival (KYSE).

TECHNICAL SKILLS

- Languages & Core Concepts:** Python, Core Java, C/C++, JavaScript, **Data Structures & Algorithms**, OOP
- Full-Stack Development:** React, Express.js, **MERN Stack**, MongoDB, PostgreSQL, Supabase, Tailwind CSS, Vite
- AI/LLM Engineering:** **Agentic AI, RAG, LLMs** (GPT, Gemini, BERT), LangChain, LangGraph, Ollama, Pydantic, n8n
- DevOps & Tools:** Git, GitHub, Docker, Postman, Vercel/Netlify, **System Design Basics**

ACHIEVEMENTS

- Secured **3rd place in Vishwas Divas Ideathon (PW IOI)** for pitching an AI assistant project.
- Ranked among **Top 8 teams in PW IOI 24-hour Hackathon** for building a B2C handicrafts platform.

PROJECTS

ProductivityQuest: Gamified Full-Stack Learning Platform

Full-Stack / AI-Readiness

- Designed a full-stack **productivity platform** integrating task management, note-taking (Tiptap editor), and **RPG gamification** (XP, leaderboards).
- Built using **React (TypeScript)**, Vite, Tailwind, and Supabase (PostgreSQL + Auth).
- Implemented a **GitHub-style activity heatmap**, Pomodoro timer, and analytics dashboard.

Scalable Database Backup & Restore Utility (CLI)

Backend / Distributed Systems

- Developed a **CLI utility** supporting full, incremental, and differential backups for **MySQL, PostgreSQL, MongoDB**.
- Integrated **compression, logging, error handling**, and secure storage with AWS S3, GCS, and Azure.
- Optimized for **large-scale databases** with selective restore options.

Full-Stack Agentic AI Platform

AI/LLM Engineering

- Built an AI chat app using **ChatGPT API, BERT, and DeepSeek R1**.
- Implemented RAG pipelines (LangChain/Graph), agent-based workflows, and Docker-based LLM deployments.
- Used **MERN stack** + Hugging Face models for scalable AI integration.

3D Animated Website

Frontend Development

- Developed a dynamic **3D animated website** using JavaScript and Canvas API with smooth scrolling effects.