

# Devesh Tiwari

Software Engineer | Full Stack & AI Developer

+91 9506592662 | [tiwaridewesh234@gmail.com](mailto:tiwaridewesh234@gmail.com) | [github.com/deveshyaara](https://github.com/deveshyaara) | [linkedin.com/in/deveshcodes](https://linkedin.com/in/deveshcodes)

## PROFESSIONAL SUMMARY

Undergraduate Computer Science student with strong foundations in **software engineering, data structures, and system design**. Experienced in building scalable full-stack and AI-driven applications using **Java, Python, Next.js, and TypeScript**. Skilled in **RESTful APIs, cloud platforms, and database management**, with hands-on experience in **CI/CD pipelines** and Agile workflows. Proven ability to solve complex problems and collaborate effectively, highlighted by leading initiatives that increased community engagement by **108%**. Passionate about building secure and high-performance software solutions with real-world impact.

## EDUCATION

### Sambhram Institute of Technology

B.E. in Computer Science (CGPA: 8.76/10) – **No active backlogs**

Bangalore, India

Aug 2023 – May 2027

### DAV Academy

CBSE Class 12 (71.4%)

Uttar Pradesh, India

2023

### Lord Buddha Public School

CBSE Class 10 (88.0%)

Uttar Pradesh, India

2021

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, JavaScript, TypeScript, SQL, HTML5, CSS3

**Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, Spring Boot, TensorFlow, LangGraph

**Cloud & Databases:** Google Cloud (Vertex AI), MongoDB, PostgreSQL, Supabase, Firebase, Docker

**Software Engineering:** Data Structures & Algorithms, OOP, System Design, REST API Development, Debugging, Unit Testing

**Tools & Practices:** Git, GitHub, CI/CD, Agile Methodologies, Postman

**AI & Security:** Generative AI, RAG Pipelines, NLP, Prompt Engineering, Penetration Testing

## WORK EXPERIENCE

### Creative Team Lead

OSCode, SAIT Chapter

Sep 2025 – Present

Bengaluru, India

- Led outreach and engagement initiatives, increasing event attendance by **108%** (from 120 to 250+ participants).
- Built an automated QR-based check-in and certificate generation system using **Next.js and Supabase**, reducing administrative effort by **80%** and minimizing manual errors.
- Collaborated with cross-functional teams to streamline event operations and improve workflow efficiency.
- Mentored junior members on UI/UX best practices, fostering a collaborative and innovation-driven team environment.

### Artificial Intelligence Intern

Coincent.ai

Jun 2024 – Aug 2024

Remote

- Engineered a text classification system using **TensorFlow** and NLP techniques.
- Designed and fine-tuned a **Vision Transformer (ViT)** model, improving performance over baseline CNN models by **15%**.
- Performed large-scale data preprocessing and feature engineering using **Pandas** and **NumPy**.
- Analyzed and visualized model performance using **Matplotlib**.

## PROJECTS

### WealthWise - AI Finance Manager | Next.js, Supabase, Google Gemini API, Clerk

Architected a full-stack financial platform utilizing **Google Gemini AI** for automated receipt parsing. Integrated secure authentication via **Clerk** and background job scheduling with **Inngest**, employing **Recharts** to visualize financial health through interactive dashboards. [GitHub](#) | [Live Demo](#)

### E-Commerce Backend API | Node.js, Express, MongoDB, JWT

Developed a scalable **RESTful API** supporting secure **JWT-based authentication** and role-based access control. Structured optimized **MongoDB** schemas for product inventory and cart management, with comprehensive endpoint documentation maintained in **Postman**. [GitHub](#) | [Postman Docs](#)

- **DevFolio: AI-Integrated Portfolio Platform** | *Next.js 15, TypeScript, LangGraph, Google Gemini, RAG*  
Launched a responsive developer portfolio using **Next.js 15** and **TypeScript**, featuring an embedded autonomous AI agent. Engineered the agent's core using **LangGraph** and a **RAG** pipeline with **FAISS** to semantically index GitHub repositories, ensuring real-time data synchronization. [GitHub](#) | [Live Demo](#)
- **Vision Transformer (ViT) Implementation** | *TensorFlow, Deep Learning, Python*  
Built a Transformer-based architecture for image classification on the **CIFAR-10** dataset, eliminating reliance on CNNs. Incorporated advanced mechanisms including patch extraction and **Multi-head Self-Attention** to achieve high validation accuracy in computer vision tasks. [GitHub](#)

## CERTIFICATIONS & TRAINING

---

- **Applied Generative AI & Vertex AI** | *Google Cloud*  
Earned credentials in **Prompt Design** and **Building Real-World AI Applications**. Built and integrated LLM-based solutions using **Gemini** for scalable application development.
- **Data Analytics & Java Development** | *Vtricks Technologies*  
Completed intensive training modules on **Data Analytics**, **Big Data Concepts**, **NoSQL Database Design**, and **Core Java & SQL** development.
- **System Design & Backend Engineering** | *Physics Wallah*  
Gained hands-on experience in **Microservices**, **Distributed Systems**, and **Database Architecture**. Separately certified in **Ethical Hacking** (Kali Linux/Nmap).
- **Innovation & Design Thinking Program** | *COMED KARES*  
Certified in **user-centric problem-solving** and **rapid prototyping methodologies** through a comprehensive 6-month innovation cohort.
- **Software Engineering Virtual Experience Programs** | *Forage*  
Executed technical work simulations for top-tier firms:
  - **JPMorgan Chase & Wells Fargo**: Engineered RESTful APIs and optimized legacy code using **Java** and **Spring Boot**.
  - **Goldman Sachs**: Implemented password cracking defenses and cryptography protocols.
  - **Accenture & Walmart**: Applied **DevOps pipelines** (Jenkins/CI/CD), **Agile** methodologies, and **Data Structures**.

## ACHIEVEMENTS

---

- Top 5000 Shortlist – EY Techathon 6.0 (Achieved a perfect score in the first round).
- National Finalist – VOIS Tech Innovation Marathon 2.0 (Top 75 teams nationwide).