

# SHASHWAT DWIVEDI

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## EDUCATION

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**Vellore Institute of Technology Amravati, Andhra Pradesh**

Apr 2026

*B Tech - Computer Science Engineering; CGPA: 8.63*

**GVN The Global School, Bhopal, Madhya Pradesh**

Mar 2022

*12th Grade : 81.2%, 10th Grade : 91.3%*

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript, TypeScript

**Technologies/Tools:** Node.js, Express.js, React.js, SQL, MongoDB, Mongoose, Firebase, Redis, Apache Kafka, DevOps, AWS, Docker, Kubernetes, TensorFlow, HTML, Tailwind CSS, Linux, OOPS, System Design

## EXPERIENCE

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**NHDC Limited**

Jun 2024 – Aug 2024

*Software Development Engineer - Intern*

- Improved intranet site and Employee Information System (EIS) Portal by designing and optimizing RESTful APIs handling 500+ requests/day, reducing manual HR workflows by 75%.
- Secured access for 400+ employees by implementing token-based authentication and migrating all internal API endpoints to HTTPS.
- Followed full SDLC practices alongside senior engineers with code quality, reviews, version control, CI/CD, testing, and production deployment.

**Lazeez Hakeem Restaurant by LHD India Private Ltd**

Aug 2023 – Nov 2023

*Backend Developer - Intern*

- Participated in codebase migration from Monolithic to Microservices architecture.
- Implemented Redis caching, optimized DB queries and APIs, improving performance by 150%.
- Integrated Kafka for asynchronous communication, coordinated CI/CD pipelines with GitHub Actions and AWS EC2, achieving zero downtime releases and cutting deployment failures by 30%.

## PROJECTS

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**De-Captchured ([link](#))**

*Passive Captcha solution*

- Developed npm package with 100+ downloads for a bot detecting passive CAPTCHA system using RNN and GAN.
- Led team of 6, designed system architecture, scoring controllers, and middleware components.
- Integrated ML model via REST API on FastAPI inference server (Render).

**Crypto Sentinels ([link](#))**

*Government-grade Crypto Surveillance Toolkit*

- Built toolkit for detecting illicit blockchain activity across cryptocurrencies with 12k+ wallets.
- React + Electron UI with graph visualizations; backend on AWS EC2 with BERT scoring.
- Optimized APIs using Redis and MongoDB aggregation for anomaly detection.

**Article Summarizer ([link](#))**

*Full-Stack content summarization AI Tool*

- Integrated OpenAI's and Stripe's API for summarization and monetization.
- Reduced average API response from 2.5s to under 800ms using API optimization and Grafana monitoring.
- Added a Chatbot for partial/full summary of any pdf, blog, webpage through a URL input.

## COMMUNITIES

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### **Open Source Club (OSC)**

Jan 2024 – Present

*Lead - Technical Department*

- Organized and Instructed an interactive Git and GitHub workshop for 150+ students.
- Contributed to 5+ club projects, implementing 10+ key features.

### **Women in Open Source(WiOS club)**

May 2023 – Jun 2024

*Web Application Developer*

- Hosted CTF contest platforms, managing 200+ participants and streamlining judging processes.
- Refactored automation tools that reduced manual effort in club operations by 50%.

## ACHIEVEMENTS

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Scored 930/1000 in AWS Solutions Architect – Associate (SAA-C03) Certification (2025)

Finalist : Smart India Hackathon (SIH 2023) Among the top 9 National Teams ( 2023 )

Top 5 : Bitsathon (Inter BITS hackathon) part of team "Bits Pilani devs" ( 2023 )

Solved 400+ DSA questions across major coding platforms. ([Coding Profiles](#))

## CERTIFICATIONS ([LINK](#))

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AWS Certified Solutions Architect – Associate (Provider - AWS)

AWS Certified Cloud Practitioner (Provider - AWS Academy)

Oracle CI 2025 Certified Generative AI Professional (Provider - Oracle)

Postman API Fundamentals Student Expert (Provider - Postman)

6× HackerRank certified in Java, SQL, JavaScript, Node.js (Provider - HackerRank)