

Shashwat Dwivedi

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EDUCATION

Vellore Institute of Technology

B.Tech - Computer Science Engineering

CGPA - 8.65

Amravati, Andhra Pradesh

Graduation Date: Apr 2026

GVN The Global School

12th Grade : 81.2%

10th Grade : 91.3%

Bhopal, Madhya Pradesh

Graduation Date: Mar 2022

Graduation Date: Mar 2020

SKILLS

Programming Languages : Java | Python | JavaScript | TypeScript

Technologies/Tools: Node.js | Express.js | SQL | MongoDB | Mongoose | Firebase | Redis | React.js | Kafka | DevOps | AWS | TensorFlow | HTML | Tailwind CSS | OOPS | Linux

WORK EXPERIENCE

NHDC Limited

(Onsite)

Software Development Engineer - Intern

Jun 2024 - Aug 2024

- Enriched the **intranet site and Employee Information System (EIS) Portal** for **400+ employees**.
- Optimized and scaled RESTful APIs handling **500+ requests/day**, reducing manual work by **75%**.
- Analyzed and summarized **SAP Material Management (MM) Module**, reducing processing time by **20%**.

Lazeez Hakeem Restaurant by LHD India Private Ltd

(Remote)

Backend Developer - Intern

Aug 2023 - Nov 2023

- Migrated Lazeez Hakeem's entire codebase from monolith to microservices architecture.
- Implemented **Redis caching** and optimized database queries and API responses, boosting performance by **25%**.
- Integrated **Kafka** for asynchronous inter-service communication, ensuring durability and fault tolerance.
- Coordinated with DevOps engineers to build **CI/CD pipelines** with **GitHub Actions** and implement **AWS EC2** deployments, achieving **zero downtime** releases and cutting deployment failures by **30%**.

LEADERSHIP EXPERIENCE

Open Source Club (OSC)

VIT-AP

Lead - Technical Department

Jan 2024 - Present

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

Women in Open Source(WiOS club)

VIT-AP

Web Application Developer

May 2023 - Jun 2024

- Engineered **CTF contest platforms**, managing **200+ participants** and streamlining judging processes.
- Refactored automation tools that reduced manual effort in club operations by **25%**.

PROJECTS

Crypto Sentinels

[LIVE PROJECT \(click here\)](#)

Sep 2024 - Jan 2025

- A **crypto wallet de-anonymization toolkit** that detects illicit transactions on the dark web.
- Scraped and analyzed dark web transactions by implementing a **Python** driven data ingestion pipeline.

- Supervised training of a **TensorFlow-based ML model** for high accuracy fraud detection.
- Developed a **Node.js and MongoDB backend**, deploying it on **AWS EC2** for scalability.

Captchured (group project)

[LIVE_PROJECT \(click here\)](#)

Feb 2024 - May 2024

- A **passive CAPTCHA system** to distinguish human and bot interactions using **RNNs and GANs** without user input.
- **Led a team of 6 developers** and guided architectural decisions for the project.
- **Solely implemented the complete backend** using Node.js, Express, and MongoDB.
- leveraged behavioral and environmental data to prevent DoS/DDoS attacks without impacting user experience.

Article Summarizer

[LIVE_PROJECT \(click here\)](#)

May 2023 - Dec 2023

- Developed and deployed a full-stack content summarization AI-powered tool, incorporating features like **search history**, API usage tracking , and **subscription-based monetization** using **Stripe API**.
- Processed API requests with Node.js and Express, reducing **reading time by 70%**.
- Integrated **OpenAI's NLP model** for accurate content summarization.

ACHIEVEMENTS

- Secured 14th rank at VIT-AP for a GPA of 9.5 (**2024**)
- 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 - click here](#)).

CERTIFICATIONS

- AWS certified Solutions Architect (Provider - **AWS**)
- AWS certified Cloud Practitioner (Provider - **AWS**)
- Postman API fundamentals Student Expert (Provider - **Postman**)
- Backend Development BootCamp (Provider - **Udemy**)