



Suyash Vikram Singh

Integrated B.Tech and M.Tech
in Information Technology
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विश्वजीवनामृतं ज्ञानम्

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Integrated B.Tech and M.Tech	Indian Institute of Information Technology, Gwalior	7.51 (Till 7th Semester)	2020-2025
Senior Secondary	Central Board of Secondary Education	94%	2020

EXPERIENCE

- Futurepedia** January 2024 - present
Web Developer Remote
 - Seamlessly launched a **Flask app** on a VPS using **Docker**, reducing **server response** time by **35%**.
 - Implemented AI-driven **query embeddings** to improve **Typesense's** search capabilities, increasing **search efficiency and traffic** by **30%**.
 - Created WebView of the app in **React Native** and added notifications in mobile app using **Firebase Cloud Messaging**.
 - Developed a **Flask-based API** to retrieve detailed information on tools, subsequently integrating this data to build a tailored **ChatGPT solution**, enhancing its performance and customization to suit our specific needs.
 - Implemented **structured markup** throughout our website to significantly improve **SEO** performance, making our content more discoverable and easily interpreted by search engines.
- easycompany** September 2022 - October 2022
SDE Intern Remote
 - Developed a sleek and responsive front-end using **Next.js** and **Redux Toolkit**.
 - Designed a comprehensive database schema that effectively supports data management and scalability, laying the foundation for robust application performance.
 - Led the back-end development with **Go** and **GORM**, enhancing the overall efficiency and performance of the system.

PROJECTS

- RCE70** February 2023
AASF Winter Project 2022 Github
 - Pioneered a solution enabling users to run code on **cloud**, breaking local machine constraints.
 - Integrated **AWS Lambda** to facilitate **serverless** computing, enhancing the system's efficiency and scalability, resulting in a **30% reduction** in server costs.
 - Developed an **automated pipeline** for AWS Elastic Container Registry (ECR), Lambda functions, and API Gateway creation, streamlining deployment processes using the **Serverless** framework, which reduced deployment time.

TECHNICAL SKILLS

- Programming Languages:** C/C++, TypeScript
- Web Development:** Next.js, Express, Tailwind, Firebase, Nginx
- Cloud Native:** AWS, GitHub Actions, Docker, Kubernetes, Terraform, Serverless
- Databases:** MySQL, MongoDB

LEADERSHIP

- Placement Representative:** Representing the 2020-25 IMT Batch at IIIT Gwalior. April 2023 - present
- AASF JPC -1 2022:** Spearheaded AASF's Programming Contest for first-year students. March 2022
- Mentor:** Guided participants in the Webkriti Web Development contest. October 2022

CODING PROFILES

- Codeforces:** Rated 1408 (Specialist).
- CodeChef:** Rated 1834 (4 stars).
- Leetcode:** Solved over 300 questions.

ACHIEVEMENTS

- 2022 AASF Winter Project:** Secured 1st place in the cloud computing category. 2023
- Hacksquad 2022:** Ranked 4th among 760 competing teams. 2022
- Flipr Hackathon XIV:** Recognized as one of the top 4 winning teams. 2022
- CodeChef Starters 32 Division 2:** Secured a commendable rank of 219. 2022
- Codeforces Round 762 (Div. 3):** Secured a commendable rank of 2246. 2021
- SnackDown 2021 – Online Round 1B:** Secured a commendable rank of 115. 2021