

AYUSH SRIVASTAVA

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SUMMARY

B.Tech graduate in Information Technology with strong **software engineering and backend development skills**. Experienced in building scalable applications, REST APIs, asynchronous systems, and developer tools using **C++, JavaScript, Python, Node.js, and SQL/NoSQL** databases. Strong foundation in **data structures, algorithms, OOP, and problem solving**.

SKILLS

Languages: C++, JavaScript, Java

Core CS: Data Structures & Algorithms, Operating System fundamentals, Database Design

Systems & Backend: Node.js, Express.js, REST APIs, Multithreading, Concurrency

Databases: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, S3, IAM), Docker

Frontend: React.js, Next.js, HTML, CSS, TailwindCSS

Tools: Git, OOP, SOLID Principles, Problem Solving

WORK EXPERIENCE

SDE Intern – SwatrixSoft

Jan 2026 – Jun 2026

- Contributed to developing an AI-powered voice sales agent using LLM workflows to automate client outreach, designed to reduce manual sales effort and enable continuous customer engagement based on product requirements.
- Developed and maintained client-facing web applications, implementing features from development through deployment while incorporating requirements and feedback from clients and collaborating with senior engineers.

SDE Intern – SwatrixSoft

Aug 2025 – Sep 2025

- Developed and optimized the SwatrixSoft company website using modern web technologies, improving page performance, responsiveness, and overall user experience.

TRAINING PROGRAM

Frontend Developer Trainee – IBM (CSR-BOX)

Jun 2024 – Aug 2024

- Developed responsive web interfaces using HTML, CSS, and JavaScript for a sustainability-focused web platform, following the project's requirement to work without external libraries or frameworks.

PROJECTS

Resilient Large File Uploader – GitHub (React, Node, PostgreSQL)

- Built a **fault-tolerant chunk-based** uploader handling multi-GB files with **resumable uploads, crash recovery**, and PostgreSQL metadata tracking across sessions.
- Designed scalable REST APIs for chunk management, validation, and file reassembly with optimized **memory handling** on the backend.

Talent-IQ-Master – Live | GitHub (React, Node, Express, MongoDB, Stream SDK, Clerk)

- Developed ‘Talent-IQ-Master’, a collaborative technical interview platform** using **React.js** and **Node.js**, featuring a custom VSCode-powered editor (Monaco) for real-time coding.
- Integrated Stream SDK** to enable low-latency 1-on-1 video conferencing, screen sharing, and synchronized chat, replicating a professional interview environment.
- Engineered a secure remote code execution engine** that runs user-submitted code in an isolated environment, validating solutions against pre-defined test cases with immediate feedback.

Research Hub AI – Live | GitHub (Python, AutoGen, AsyncIO, arXiv API, React)

- Built a **multi-agent AI system** using AutoGen for parallel **research paper analysis** with RAG-style async pipelines for structured extraction, summarization, and topic clustering.
- Applied iterative prompt engineering and output validation to significantly improve agent response quality and accuracy.

CERTIFICATION

Oracle Cloud Infrastructure (OCI) AI Foundations Associate – Oracle, 2026

Cloud Computing Certification – NIELT, Delhi, 2026

ACHIEVEMENTS

- Solved 300+ DSA problems on Leetcode | Global Rank 416 in a Biweekly Contest (Top ~0.5% globally).

EDUCATION

Bharati Vidyapeeth’s College of Engineering (GGSIPU), New Delhi

2022-2026

B.Tech in Information Technology | CGPA: 8.58

B.B.S. International School, Prayagraj, India

2019-2021

Class XII: 83.2% | Class X: 90.3%