Tanmay Sabharwal

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Education

Vellore Institute Of Technology,Vellore	June 2021 - June 2025
Bachelor of Technology in Computer Science and Engineering(CSE) (CGPA: 9.05)	*Vellore, Tamil Nadu*
Delhi Public School,Azaad Nagar	May 2019 - May 2021
Central Board of Secondary Education XII (Percentage-96), X (Percentage-97.2)	*Kanpur, Uttar Pradesh*

PROFESSIONAL EXPERIENCE

SPARROW RISK MANAGEMENT   Jan 2025 – Present
Software Developer | .NET (C#), React, SQL, S3, CI/CD   *Gurugram, Haryana*

- Implemented automated PDF and Word generation using **QuestPDF** and **NPOI**, which reduced manual effort by 35%, accelerated reporting workflows, and enhanced client satisfaction for stakeholders, contributing to a revenue increase of approximately **2 lakh**.
- Built robust Excel uploaders with **RequestChef, NPOI,** and **FluentValidation,** enabling secure data ingestion, enforcing validations, and minimizing downstream processing errors in production.
- Designed and integrated **audit workflows** with DTO models, validators, controllers, enums, and jobs, ensuring compliance readiness and standardized industry-grade reporting across projects.
- Optimized backend operations by improving SQL-driven data retrieval and processing, leading to faster response times, higher stability, and overall improved system efficiency across modules.

VALTORUS TECH PVT LTD   Oct 2023 – Dec 2023
Full Stack Developer Intern | Node.js, Express.js, React.js, SQL, Redux   *Pune, Maharashtra*

- Built a **Reddit-like platform** with authentication, admin/user panels, and real-time features such as messaging, polls, and video calls, which improved collaboration and user retention significantly, driving higher engagement that contributed to additional revenue.
- Implemented **MiroTalk (open-source) integration** for seamless video conferencing, enabling real-time communication and enhancing interactive platform engagement.
- Developed a flexible **post-creation module** supporting video, images, and audio, which boosted user-generated content by 25% and significantly increased platform engagement levels.
- Optimized **APIs and database queries**, reducing response delays and improving overall system performance to provide a smoother user experience at scale.

PROJECTS

CLOUDFILER | *Go, PostgreSQL, REST API, AWS-S3, Redis*

- Engineered a **AWS-S3-based backend** with scalable architecture for secure and efficient file management.
- Integrated **JWT authentication** and **Redis caching**, enhancing security, responsiveness, and real-time performance.
- Implemented advanced file operations and intelligent search functionality, leading to streamlined user workflows and improved productivity across diverse business use cases.
- Containerized the application with **Docker**, ensuring consistent deployment and scalability across diverse platforms.

HONEREVIEW | *Next.js, TypeScript, MongoDB, Hugging Face, Vercel*

- Developed and launched **HONEREVIEW**, increasing feedback completion rates by 20% with real-time processing.
- Integrated **secure email authentication** and **category-specific ratings**, enhancing user experience.
- Enabled **anonymous reviews** with a minimal UI dashboard optimized for scalability and performance.
- Utilized Hugging Face's **Qwen2.5-Coder-32B-Instruct** model for real-time suggestion generation.

SKILLS

Languages: C++, C#, JavaScript, TypeScript, HTML, CSS, Python, SQL
Technologies/Frameworks: React.js, Next.js, Node.js, Express.js, Redux, jQuery, Bootstrap, Spring Boot, Firebase, MongoDB, MySQL, PostgreSQL, Linux, Docker, Redis, Socket.io, REST APIs, Hugging Face, QuestPDF, NPOI
Cloud & Tools: AWS-S3, Swagger, GitHub, Postman, VS Code, Visual Studio, CursorAI, CI/CD Pipelines
Data & Analytics: Tableau, Power BI, Excel
Concepts: OOPS, OS (Linux), Database Management Systems (DBMS), Data Structures and Algorithms (DSA), SDLC (Agile), Audit Workflows (CAPA/RFI/Incident), RESTful API Development
Certifications: The Complete Web Development Bootcamp (Udemy), Codehelp Supreme Batch (Love Babbar)