

Prayag Tushar

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EDUCATION AND TRAINING

22/08/2021 – 24/08/2025 Vellore, India

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING Vellore Institute of Technology (VIT)

Mathematics - Calculus, Linear Algebra, Differential Equations, Probability and Statistics, Random Processes.
CS and Foundation - Computer Programming (Python & Java), Embedded C Programming, Computer Communications and Networks, Signals and Systems, Computer Networks and Cryptography, Microprocessors and Microcontrollers, Advanced Competitive Coding (Data Structures & Algorithms), Artificial Intelligence and Machine Learning.

Website <https://vit.ac.in/> | **Final grade** German: 2.2 [CGPA: 8.29 / 10.0] | **Level in EQF** EQF level 6 | **National classification** 8 |

Type of credits ECTS | **Number of credits** 239.2

WORK EXPERIENCE

SOFTWARE DEVELOPER – METQUAY INC – 09/06/2025 – Current – THIRUVANANTHAPURAM, INDIA

- Leading the comprehensive rewrite of a legacy application using a modern tech stack (React, NestJS, and MongoDB) within a Turborepo environment.
- Developed a specialized custom tool utilizing Fabric.js, enabling users to design and edit stickers with specific instructions directly on the web canvas.
- Delivered continuous feature enhancements and bug fixes, improving application stability, usability, and overall user experience.

SOFTWARE DEVELOPER – ZERONE CONSULTING – 07/01/2025 – 29/05/2025 – KOCHI, INDIA

- Developed a full tuition management application from the ground up, implementing a complex system for hierarchical user access.
- Built a secure authentication and role-based access control system using JWT to ensure strict data privacy for students, teachers, and admins.
- Designed and tested REST APIs to facilitate seamless communication between the frontend and backend, ensuring reliable database storage.

APPLICATION DEVELOPER – COLLAB JUNCTION – 02/06/2024 – 20/08/2024 – VELLORE, INDIA

- Improved platform stability by implementing enhanced error messaging and logging systems, successfully reducing application crashes by 30%.
- Optimized website performance and Google search ranking (SEO), leading to a 20% increase in daily visitor traffic.

SKILLS

Python (computer programming) | JavaScript | TypeScript | Java (computer programming) | Web Frontend: ReactJS, NextJS, Nodejs, Bootstrap 5, Tailwindcss, Flexbox | AWS - Lambda, ECS, EKS, S3, API Gateway, Serverless | Databases (MongoDB MySQL PostgreSQL) | Version Control (Git) | Git/Github, Docker, Gitlab

● PROJECTS

Ask Video.AI - SaaS RAG Bot to Chat with YouTube Videos

- Developed a web tool for video querying using LangChain, Gemini API, and Pinecone, tested on 20+ videos to enable Q&A on content like tutorials.
- Handled transcript chunking and embedding storage, resolving data overlap issues to achieve reliable real-time responses.
- Managed the codebase with Turborepo and Bun, plus Prisma/PostgreSQL, gaining experience in monorepo setups for scalable apps.

Links <https://github.com/prayagtushar/askVideo.ai> | <https://youtu.be/-v93yz1lk98>

Opsverse AI - SaaS RAG Bot for PDF Chat

- Built a PDF search application with LangChain, Gemini, and Pinecone, tested on 50+ files to improve retrieval for document analysis.
- Implemented Clerk auth and Stripe payments, fixing multi-user access bugs to support a small beta group without data leaks.
- Deployed on AWS S3 with Drizzle ORM/PostgreSQL, learning cloud storage basics for persistent file handling.

Links <https://www.opsverse.live/> | <https://youtu.be/o5hNZaYT6gY> | <https://github.com/prayagtushar/OpsverseAI>

LumosAI - Chatbot Powered by Gemini

- Created a chatbot with Gemini API for conversations, tested over 100 sessions to refine response accuracy.
- Added Clerk login and MongoDB for chat storage, addressing persistence issues during development.
- Used TailwindCSS for a mobile-friendly UI, ensuring it ran smoothly on devices with minimal lag.

Links <https://lumos-maxima.vercel.app/> | <https://youtu.be/FRziFQVALCc> | <https://github.com/Prayag-09/Lumos-AI>

● PUBLICATIONS

2024

[Forecasting Health: Machine Learning Approaches to Disease Prediction](#)

● HONOURS AND AWARDS

30/10/2025

[Hacktoberfest 2025 Supercontributor - DigitalOcean](#)

Achieved elite Supercontributor status by landing 6+ accepted pull requests in global open-source repositories within 30 days.

Link <https://www.holopin.io/hacktoberfest2025/userbadge/cmhd35skn008ll8045t8iwa7o>

● VOLUNTEERING

Remote

[Contributor to Kestra-io \(Open Source Workflow Orchestration\)](#)

- Developed and integrated a Todoist Task Management Plugin (1,300+ lines of code).
- Migrated legacy Vue.js components to TypeScript Composition API.
- Active in code reviews and multi-tenant issue tracking.

● CERTIFICATIONS

Amazon Web Services, 29/03/2025

[AWS Certified Cloud Practitioner](#)

Mode of learning: Online

Link https://www.credly.com/badges/f5c58f46-d1cf-43a9-bff6-7cad07ee64ce/public_url