

Tiyasha Ghosh

Software Developer

gtiyasha274@gmail.com | 9382284686 | <https://tiyasha-portfolio.vercel.app/>

<https://www.linkedin.com/in/tiyasha-ghosh-4477041bb/> | <https://github.com/Teahope12>

Objective

Dedicated and analytical Software Developer with strong proficiency in Full Stack and database management. Skilled in building scalable APIs, optimizing backend performance, and applying data structures and algorithms to solve complex problems. Looking to contribute to high-performance backend systems in a growth-driven tech company.

Education

Vellore Institute of Technology, Vellore Masters of Computer Applications(Ongoing) – CGPA: 8.57	2024 – 2026
Presidency College, Bengaluru Bachelor of Computer Applications – SGPA: 9.25	2020 – 2023
P I S Vidyapith Class XII (CBSE) – 73.25%	2017 – 2019
H. S. Memorial School Class X (ICSE) – 79%	2017

Skills

Languages: C, C++ , Java, JavaScript, Python, VB.Net, HTML, CSS

Frameworks: React.js, Node.js, Angular.js,Next.js

Databases: MongoDB, SQL

Tools: Visual Studio Code, Streamlit, Cisco Packet Tracer, GitHub, Vite, Postman, Resend.

Projects

Personal Portfolio Website <ul style="list-style-type: none">Designed and developed a dynamic portfolio to highlight technical skills, achievements, and live project demos.Integrated animations, responsive design, and contact form using Resend API.Tech Stack: Next.js, Tailwind CSS, TypeScript, Resend API, Vercel, Framer MotionGitHub: github.com/Teahope12/Tiyasha-portfolioLive Site: tiyasha-portfolio.vercel.app	June 2025 – Present
Real-time Litter Hotspot Mapping and Waste Segregation <ul style="list-style-type: none">ML model for litter detection during disasters.Used augmentation, image processing, and feature extraction.Tech Stack: CNN, Python, Numpy, Pandas, Scikit-Learn, Streamlit, TensorflowGitHub: github.com/Teahope12/Natural-Disaster-Hotspot-Areas-Detection	Nov 2024 – Present
Online PG Accommodation Booking System <ul style="list-style-type: none">Seamless PG search, booking, and management.Secure auth, Stripe payment gateway, filtering.Tech Stack: React.js, Node.js, MongoDB, JWT, Stripe, AxiosGitHub: github.com/Teahope12/Online-PG-Accommodation-System	Jan 2025 – April 2025

Churn Management System

Jan 2025 – April 2025

- Predicted customer churn using analytics.
- Feature engineering, insights, automation.
- **Tech Stack:** Python, Flask, Scikit-learn, XGBoost, Twilio, Matplotlib, Seaborn
- GitHub: github.com/Teahope12/Bank-Churn-Management-System

Capstone Project Management Application

Sept 2024 – Nov 2024

- Tracked academic and professional capstone projects.
- **Tech Stack:** MySQL, JDBC, NetBeans, Tomcat, JSP, HTML5
- GitHub: github.com/Teahope12/Capstone-Project-Management-System

Leave Management System

Jan 2023 – June 2023

- Role-based leave approval and HR automation.
- **Tech Stack:** Remote SQL Server, VB.Net, Bunifu
- GitHub: github.com/Teahope12/Leave-Management-System-using-VB.Net

Certifications

- Networking Cardinals with Cisco Packet Tracer (2024)
- Nvidia Fundamentals of Deep Learning Workshop (2024)
- The Web Developer Bootcamp (2025)
- Microsoft PL-300: Power BI, Power Query, DAX (Ongoing)
- AWS Workshop: Empowering Innovation with AWS (2024)

Awards and Achievements

- Awarded for Outstanding Contribution to Placement Support, Presidency College, Bengaluru
- Volunteer Recognition – PHOENIX 2.0 IT Fest 2021, Presidency College, Bengaluru

Languages and Interests

Languages Known: English, Hindi, Bengali

Interests: Diary Writing, Singing