

# AYUSH TRIPATHI

## ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Ceramic Engineering IIT (BHU), Varanasi	7.27	2026
CBSE (XII)	Woodland Academy	85.00	2021
ICSE (X)	Little Flower School	95.40	2019

## SKILLS

- **Languages & Databases** : C++, JavaScript, TypeScript, Python, Go, Solidity | PostgreSQL, MongoDB
- **Frameworks & Libraries** : React, Next.js, Node.js, Express.js, Redux, Prisma, Tailwind CSS, Hardhat, Foundry
- **Cloud & DevOps** : Docker, CI/CD, Kubernetes, Google Cloud Platform

## INTERNSHIP/TRAINING

### ScriptSolve

May 2025 - July 2025

#### Software Development Intern

- Built reusable **React** and **TypeScript** components and integrated **REST APIs** to deliver a responsive course catalog.
- Implemented dynamic sidebar navigation with **React state management**, enabling accurate lesson tracking and progress indicators that enhanced usability and streamlined navigation for learners.
- Developed a real-time completion tracker using **TypeScript** and **Tailwind CSS**, synchronizing frontend state with **backend data** to provide reliable progress visualization and actionable insights.

## PROJECTS

### Finance Management Dashboard

Jun'24

- Built a full-stack personal finance dashboard using **Next.js** and **TypeScript** to centralize financial data, solving the problem of tracking different accounts across multiple banking platforms
- Integrated **Plaid API** for real time bank account linking and the **Dwolla SDK** for secure ACH money transfers
- Secured the application with **Appwrite** authentication and implemented error tracking and monitoring using Sentry
- **Exposure**: Next.js App Router, Server Actions, TypeScript, Node.js, Appwrite, Sentry

### Bitcask Inspired KV Store

Mar'25

- Built a high-performance, persistent key-value store in **Go** inspired by Bitcask, designed for write-heavy workloads
- Achieved **high-throughput writes** with an **append-only log** and **instant read lookups** using an **in-memory hash index**, enabling highly **scalable, reliable storage** while demonstrating **storage engine design** expertise
- Exposed database operations via a RESTful HTTP API and an interactive command-line interface (CLI)
- **Exposure**: Go, System Design, In-Memory Indexing, Low-level File I/O, REST API Design, Concurrency

### Telegram Crypto Analysis bot

Apr'25

- Developed an automated **Python** bot for a Solana Hackathon project to provide on-demand **crypto analysis**, consolidating multi-source data into a single command and saving significant user time
- Integrated **Bubblemaps API** and **CoinGecko API**, leveraging **Selenium** to capture on-chain visualizations
- Engineered an **asynchronous** architecture to handle concurrent requests, ensuring **real-time analysis** in **Telegram**.
- **Exposure**: Python, asyncio, Bubblemaps API, CoinGecko API, Selenium, Telegram Bot Development

## POSITION OF RESPONSIBILITY

- Assisted in organizing and conducting a Golang and Linux workshop by **COPS, IIT BHU**, with **40+ participants**
- **Tech Team Executive, Spardha'24** – Collaborated with team to build a responsive event website serving **2,500+** participants and **8,000+** visits, while working with cross-functional teams to ensure performance and accessibility.
- **Tech Team Executive, Yuri's Night'25** – Collaborated in building and launching the official event website, serving **1,000+ participants** and **3,000+ website visits**, enhancing registrations, engagement, and online visibility.

## HONOURS AND ACHIEVEMENTS

- **Codeforces** max rating (1450) [[Specialist](#)] | **LeetCode** max rating (1855) [[Knight](#)]
- Achieved Global Rank **911** in LeetCode Weekly Contest 463 and Rank **1016** in Biweekly Contest 163.
- Secured **2nd Position** in Web Development event **Devbits**, conducted during **Udyam'24**.
- **3rd Position** among **250+** teams in PlanetHunt, a ML competition at Yuri's Night'24 organized by IIT(BHU).

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