

BUDDHSEN TRIPATHI

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EDUCATION

New York University

Master of Science in Computer Science

Sep 2025 – May 2027

New York, USA

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Jul 2019 – May 2023

Vellore, India

EXPERIENCE

Amadeus Software Labs

Software Development Engineer I

Jul 2023 – Aug 2025

Bengaluru, India

- Developed and optimized document generation systems using Java Spring, Freemarker, and Angular within an Agile environment, improving rendering latency by 12% across thousands of daily airline transactions.
- Assisted in migration of 75% of on-premise services to Azure Cloud, implemented CI/CD pipelines, containerized services, and achieved 99.9% uptime with enhanced scalability and fault tolerance.
- Performed security analysis using Fortify and BlackDuck, identifying and fixing high/critical issues to improve code reliability and reduce vulnerabilities by 50%.
- Resolved 200+ Incident and Problem Trouble Reports (IR/PTRs) through root-cause analysis, automation, and refactoring, boosting deployment stability and delivery efficiency across distributed environments.

Amadeus Software Labs

Software Development Engineer Intern

Jan 2023 – Jun 2023

Bengaluru, India

- Built and deployed a UI-based application replacing a legacy email workflow, decommissioning insecure flows and improving compliance across over 10 client operations.

PROJECTS

DeepFind.Me | Next.js, NestJS, PostgreSQL, Docker, AWS, OpenAI API

- Founded an OSINT platform with 30+ intelligence tools, scaling to 1.8k+ users and 45k+ quarterly visits.
- Built an AI OSINT Agent that unified all tools into a single investigative workflow; platform later acquired by UserSearch.

Bucket0.com | Next.js, Supabase, Cloudflare, AWS, React Native

- Built a unified platform for managing S3-compatible buckets (Cloudflare R2, AWS S3 etc) along with a secure private cloud storage service.
- Currently building a cross-platform Android/iOS app in React Native, integrated with Clerk auth and existing backend.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks: Angular, React, Next.js, Node.js, NestJS, Supabase, Flask, TensorFlow, Express, TailwindCSS

Databases: MySQL, PostgreSQL, MongoDB

Cloud & DevOps: AWS, Azure, Google Cloud Platform (GCP), Docker

Testing & CI/CD: Git, Jenkins, GitHub Actions, JUnit

CERTIFICATIONS & ACHIEVEMENTS

Certifications: Fundamentals of Accelerated Computing with CUDA Python (NVIDIA); Web Application Technologies and Django (University of Michigan); Responsive Web Design (freeCodeCamp); Advent of Cyber 2021 (TryHackMe).

DSA Practice: Solved 200+ problems on LeetCode (peak rating 1651); 3-star on CodeChef (1662).

Cybersecurity: Level 10 on TryHackMe with 16 badges; peak global rank 9906.