


BUDDHSEN TRIPATHI

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EDUCATION

New York University

Master of Science in Computer Science

Coursework: Machine Learning, Data Structures and Algorithms, Computer Networking

Sep 2025 – May 2027

New York, USA

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering, GPA: 3.5 (8.76/10)

Jul 2019 – May 2023

Vellore, India

EXPERIENCE

Amadeus Software Labs

Jan 2023 – Aug 2025

Software Development Engineer I (Intern → Full-time)

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.
- Integrated communication protocols and automated legacy email workflows, reducing manual processing time by 27% and enabling real-time, error-free data exchange between distributed systems.
- Led 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 15%.
- Resolved over 200 production incidents through root-cause analysis and automation, improving deployment efficiency, monitoring, and long-term system stability.

PROJECTS

DeepFind.Me | Next.js, NestJS, TypeScript, Supabase, Cloudflare, OpenAI API

 Live

- Founded and developed an **OSINT platform** offering 30+ intelligence and AI-powered tools, scaled to **1.1k+ users**, **45k+ quarterly visitors**, and **350k+ monthly edge requests**.
- Integrated an **AI-powered OSINT Agent** using the **OpenAI API** and **Perplexity Search API** to perform automated investigations and contextual data analysis across public sources.

OpenVScan | Next.js, NestJS, Python, Docker, OpenAI API

 GitHub

- Building **OpenVScan**, a web-based vulnerability scanner that integrates **open-source tools with AI** to deliver smarter, faster, and more reliable pre-production security testing.
- Maintainer and active developer**; project received **10+ GitHub stars** and community contributions for expanding scanning capabilities and AI-based analysis modules.

Bucket0.com | Next.js, NestJS, Supabase, Cloudflare R2, AWS S3

 Live

- Developed a multi-cloud storage wrapper enabling users to connect and manage any **S3-compatible bucket** (R2, AWS S3, DigitalOcean) via a unified client.
- Offers secure and scalable **cloud storage services** with tiered pricing, on-demand storage allocation, and built-in file-sharing capabilities, providing a cost-effective alternative to Google Drive.

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

Testing and 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 with a peak rating of 1651; **3-star** rated (1662) on CodeChef.

Cybersecurity: Level 10 hacker on TryHackMe with 16 badges and a peak global rank of 9906.

Soft Skills: Strong problem-solving, system design, and collaboration abilities gained through Agile development and cross-functional teamwork.