

# Aman Chaddha

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## EDUCATION

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Vellore Institute of Technology, Chennai

Sep 21 – July 25

*B.Tech in Computer Science and Engineering, GPA – 8.1/10*

*Relevant course work: Data Structures, Algorithms, Artificial Intelligence, Operating Systems, Computer Networks, Compiler Programming, Theory of Computation, Software Engineering*

## PROFESSIONAL EXPERIENCE

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Bharat Electronics Limited, Panchkula, Haryana

Aug 23 – Oct 23

*SDE Intern*

- Developed Customer Programming Software to streamline user interaction and operational efficiency, **reducing communication latency by 15% and improving accuracy by 2%**. Utilized Python, MongoDB, and Microsoft Excel for database management, and integrated Leaflet.js for mapping, enhancing functionality and ease of use.

## PROJECTS & EXTRACURRICULAR

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Insight Miner

Dec 23 – Feb 24

- Developed Insight Miner, performing end-to-end data analysis on **1,000+ records** with **Python, PowerBI, and SQL**. Created actionable visualizations, **achieved 85% model accuracy**, and streamlined processing to **reduce analysis time by 30%**, showcasing comprehensive analytics skills.

QuickBites

May 23 – Aug 23

- Built QuickBites, a full-stack food ordering app with **secure user authentication, Stripe-integrated payments, and an admin panel** for efficient menu and order management—**cutting order handling time by 30%**. Designed for mobile-first responsiveness across devices.

InfraSync

Dec 22 – March 23

- Developed InfraSync, a **CI/CD pipeline** that **increased deployment efficiency by 50%** and **reduced security vulnerabilities by 25%**. Configured scalable Kubernetes infrastructure, **cut provisioning time by 50%**, and implemented Jenkins CI/CD with security protocols, **email notifications, and a mail notification system**, enhancing deployment reliability and user communication.

## SKILLS

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**Programming languages:** C++, Java, Python, SQL, Typescript, HTML, CSS, JavaScript, GO, Solidity

**Developer Tools:** Azure, AWS, Docker, Jenkins, PoweBI

**Computer software/ frameworks:** React, NodeJS, ExpressJS, MongoDB, LeafletJS

**Languages:** English (advanced), Hindi (Native), Spanish (Intermediate)

**Certifications:** Microsoft Azure AZ-900 Certified, Microsoft Azure AI – 102 (Associate Level) Certified

**Clubs and Societies:** Microsoft Innovations Club (Web Developer), Geeks for Geeks (Campus Ambassador)

**Coding Overview:** 300+ coding questions on various platforms such as LeetCode, GFG, CodeChef & Codeforces