

# NIPUN VATS

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## EDUCATION

### Gautam Buddha University

Integrated B.Tech-M.Tech in Computer Science; CGPA: 7.82

Greater Noida, UP

May 2025

### Kendriya Vidyalaya, AGCR Colony

Intermediate; Percentage: 89.5%

Delhi-110092

March 2020

## TECHNICAL SKILLS

**Technologies:** Git, Docker, Kubernetes, Jenkins, AWS (EC2, EKS, ECR, S3), Terraform, Linux, GitHub Actions

**Frameworks:** React.js, Node.js, Express.js, Next.js, MySQL, MongoDB, Prisma ORM

**Programming:** C++, Python, JavaScript, Solidity

## PROFESSIONAL EXPERIENCE

### Cloud and DevOps Intern (Remote)

Jan 2024 – Sep 2024

HEX64 InfoSolutions Pvt. Ltd.

Noida, UP

- Architected Infrastructure as Code solutions using Terraform, automating provisioning of 15+ AWS resources and reducing manual configuration time by 75%
- Designed scalable cloud architectures on AWS serving 5,000+ daily users with 99.9% uptime
- Implemented CI/CD pipelines using Jenkins and Docker, reducing deployment time by 60%
- Optimized infrastructure costs by 35% through strategic resource allocation and automated scaling

### Web Development Intern

Jul 2023 – Aug 2023

SSPL, DRDO

New Delhi

- Developed SaaS website using Next.js and Prisma ORM, handling 1,000+ concurrent users with 40% faster page loads
- Architected RESTful backend API with 20+ endpoints, reducing response times by 50%
- Integrated database optimization techniques resulting in 65% improvement in query performance

### Summer Intern

Jun 2023

Motherson Group

Noida, UP

- Enhanced C++ applications achieving 45% performance improvement through algorithmic optimization
- Managed MSSQL databases with 100,000+ records, improving query execution time by 55%

## PROJECTS

### Automated CI/CD Pipeline for 2-Tier Flask Blog Application | [GitHub](#)

- Engineered end-to-end CI/CD pipeline using Jenkins, Docker, and GitHub Webhooks for Flask application with MySQL on AWS EC2
- Containerized multi-service architecture using Docker Compose, enabling zero-downtime deployments
- Implemented automated build triggers reducing deployment time from 30+ minutes to under 5 minutes

### Issue Tracker with Full CI/CD on AWS EKS | [GitHub](#)

- Built cloud-native 3-tier application (React, Node.js, MongoDB) with GitHub Actions deploying to Amazon EKS via ECR
- Orchestrated Kubernetes infrastructure with auto-scaling, load balancing, and rolling updates
- Automated Docker image builds and ECR pushes, reducing release cycles from days to minutes

### S3 Static Website Hosting with Terraform | [GitHub](#)

- Automated static website deployment on S3 using Terraform IaC, including bucket creation and public access configuration
- Implemented declarative infrastructure management enabling reproducible deployments across environments

## CERTIFICATIONS & ACHIEVEMENTS

**Galactic Problem Solver**, NASA Space Apps Challenge 2022

**Hacktoberfest 2023:** Merged 6 pull requests to open-source projects