

# NIPUN VATS

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## EDUCATION

<b>Gautam Buddha University</b> <i>Integrated B.Tech-M.Tech in Computer Science; CGPA: 7.82</i>	Greater Noida, UP May 2025
<b>Kendriya Vidyalaya, AGCR Colony</b> <i>Intermediate; Percentage: 89.5%</i>	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

<b>Cloud and DevOps Intern (Remote)</b> <i>HEX64 InfoSolutions Pvt. Ltd.</i>	Jan 2024 – Sep 2024 Noida, UP
<ul style="list-style-type: none"><li>Architected Infrastructure as Code solutions using Terraform, automating provisioning of 15+ AWS resources and reducing manual configuration time by 75%</li><li>Designed scalable cloud architectures on AWS serving 5,000+ daily users with 99.9% uptime</li><li>Implemented CI/CD pipelines using Jenkins and Docker, reducing deployment time by 60%</li><li>Optimized infrastructure costs by 35% through strategic resource allocation and automated scaling</li></ul>	
<b>Web Development Intern</b> <i>SSPL, DRDO</i>	Jul 2023 – Aug 2023 New Delhi
<ul style="list-style-type: none"><li>Developed SaaS website using Next.js and Prisma ORM, handling 1,000+ concurrent users with 40% faster page loads</li><li>Architected RESTful backend API with 20+ endpoints, reducing response times by 50%</li><li>Integrated database optimization techniques resulting in 65% improvement in query performance</li></ul>	
<b>Summer Intern</b> <i>Motherson Group</i>	Jun 2023 Noida, UP
<ul style="list-style-type: none"><li>Enhanced C++ applications achieving 45% performance improvement through algorithmic optimization</li><li>Managed MSSQL databases with 100,000+ records, improving query execution time by 55%</li></ul>	

## PROJECTS

<b>Automated CI/CD Pipeline for 2-Tier Flask Blog Application</b>   <a href="#">GitHub</a>	
<ul style="list-style-type: none"><li>Engineered end-to-end CI/CD pipeline using Jenkins, Docker, and GitHub Webhooks for Flask application with MySQL on AWS EC2</li><li>Containerized multi-service architecture using Docker Compose, enabling zero-downtime deployments</li><li>Implemented automated build triggers reducing deployment time from 30+ minutes to under 5 minutes</li></ul>	
<b>Issue Tracker with Full CI/CD on AWS EKS</b>   <a href="#">GitHub</a>	
<ul style="list-style-type: none"><li>Built cloud-native 3-tier application (React, Node.js, MongoDB) with GitHub Actions deploying to Amazon EKS via ECR</li><li>Orchestrated Kubernetes infrastructure with auto-scaling, load balancing, and rolling updates</li><li>Automated Docker image builds and ECR pushes, reducing release cycles from days to minutes</li></ul>	
<b>S3 Static Website Hosting with Terraform</b>   <a href="#">GitHub</a>	
<ul style="list-style-type: none"><li>Automated static website deployment on S3 using Terraform IaC, including bucket creation and public access configuration</li><li>Implemented declarative infrastructure management enabling reproducible deployments across environments</li></ul>	

## CERTIFICATIONS & ACHIEVEMENTS

**Galactic Problem Solver**, NASA Space Apps Challenge 2022  
**Hacktoberfest 2023**: Merged 6 pull requests to open-source projects