

# Nipun Pratap Singh

## Cloud And DevOps Engineer

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### EDUCATION

**Gautam Buddha University, Greater Noida, Uttar Pradesh, India**  
Bachelors of Technology in Computer Science

**Aug. 2021- May 2025**  
**CGPA - 8.22/ 10**

### KEY SKILLS

**Language:** Python, C++  
**Library/Frameworks:** Django, Pandas, NumPy  
**Miscellaneous:** Git, Redis-server, Python Scripting, Bash  
**Cloud** – Amazon Web Services (AWS), Microsoft Azure, Linux  
**Knowledge of Tools** - Jenkins, Docker, Terraform, GitHub, Kubernetes

### TECHNICAL SKILLS

#### Cloud And DevOps

- Server administration and troubleshooting on Linux/Unix-based systems
- Proficient in AWS services: ECS, EC2, RDS, S3, Elastic Search, ELB, Lambda
- Hands-on experience with Docker for containerization and Kubernetes for orchestration
- Expertise in building CI/CD pipelines and automation solutions using Jenkins
- Monitoring & Logging (Prometheus, Grafana)

### Experience

#### Tech Bridge Consultancy Services

AI/ops Engineer

**April 2025 - Present**  
**Gurugram, India**

- Implemented CI/CD pipelines using **Jenkins**, **GitHub Actions**, and **Docker**, enabling faster and more reliable deployments across development and production environments.
- Deployed and maintained infrastructure on **AWS**, integrating **CloudWatch**, **ELK Stack**, and **Prometheus/Grafana** for real-time monitoring, alerting, and log analysis.
- Applied AIOps practices by automating incident detection and root cause analysis using **Python scripts**, enhancing system uptime and reducing MTTR

#### QTI Minds

DevOps Intern

**Jan 2025 - April**  
**Hyderabad, Remote**

- Optimizing cloud resource usage and costs by implementing auto-scaling and efficient infrastructure management strategies, reducing operational expenses by 30%.
- Designed and implemented **CI/CD pipelines using Jenkins & GitHub Actions** to automate deployments, reducing deployment time by 50%.
- Containerized applications using **Docker** and orchestrated them with **Kubernetes** for scalability and fault tolerance.

### PROJECTS

#### Flask App with MySQL Deployment on AWS Using Docker- [Link](#)

- **Deployed Containerized Flask Application:** Successfully deployed a Flask web application with a **MySQL** database on **AWS**, using Docker for containerization to ensure portability and scalability.
- **Integrated AWS Services:** Utilized AWS EC2 for hosting the application, ensuring secure and scalable infrastructure with cost optimization strategies.
- **Optimized EC2 Costs with Auto-Scaling:** Configured EC2 auto-scaling to reduce costs by adjusting resources based on application demand.


#### Deploy WordPress Website On AWS Using Elastic Beanstalk - [Link](#)

- Deployed a fully functional WordPress website on AWS Elastic Beanstalk.
- Configured AWS services including **EC2**, **RDS**, and **S3** for scalable and secure deployment.
- Automated deployment and management tasks using Elastic Beanstalk CLI.

#### Deploying a Django Web Application Building a CI/CD Pipeline with Jenkins - [Link](#)

- **Developed & automated** a **CI/CD pipeline** with Jenkins, reducing deployment errors by **80%**.
- Integrated Jenkins pipelines with database migration tools to automate schema updates during deployment.
- Configured Jenkins to integrate seamlessly with **GitHub** for version control, enabling automatic pipeline triggers on code commits.

### CERTIFICATION / ACCOMPLISHMENTS

- **Flipkart Grid 5.0**  Tech Quiz of Flipkart GRID 5.0 - Software Development Challenge – 2024
- Published 10+ articles on Medium. [Link](#)
- **AWS Certified Cloud Practitioner** (*In Progress*)