# NISHANT DIXIT

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## EDUCATION

**Bachelor of Technology (B.Tech)**, Hindustan College of Science and Technology — Expected July 2025
Information Technology
**Relevant Courses** : Data Structures, Algorithms, Software Engineering, Database Systems, Cloud Computing

## SKILLS

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|---|---|
| **Programming Languages** | Java, Python, JavaScript |
| **Frameworks/Databases** | Spring Boot, React.js, Node.js, MySQL, NoSQL |
| **Cloud Technologies** | Kubernetes, Docker, AWS (S3, SQS) |
| **DevOps** | CI/CD Pipelines (Git, Jenkins), Agile Methodology |
| **Security** | Application Security, Software Vulnerability Management |

## EXPERIENCE

**Web Developer Intern** — June 2024 - July 2024
OctaNet Services Pvt Ltd — *Remote*

- Designed and developed 5+ responsive web applications, enhancing user experience for over 1,000 users.
- Utilized CI/CD pipelines for deployment, improving software delivery speed by 25%.
- Automated testing and debugging to ensure code quality and maintainability.

## PROJECTS

**Amazon Clone - Full-Stack E-Commerce App** — GitHub Repo

- Developed a fully functional Amazon clone using the MERN stack, implementing features like user authentication, shopping cart, and order processing. During testing, it supported over 100 users.
- Implemented Stripe API to handle secure payment processing, incorporating industry-standard encryption protocols and enhancing transaction reliability.
- Enhanced design and optimized UI/UX for seamless user experience across devices, achieving 100% responsiveness and reducing loading times to under 2 seconds.

**NeuroRiskX - Optimized and Explainable Stroke Risk Prediction** — GitHub Repo

- Developing NeuroRiskX, a stroke prediction model using 5,000+ patient records, analyzing 12 key features like age, BMI, and hypertension to predict stroke risk.
- Integrating Explainable AI (SHAP) to identify the top 5 features influencing stroke risk, improving model interpretability and building clinical trust.
- Implementing Genetic Algorithm to optimize feature selection by reducing dimensionality by 25% and targeting 85% accuracy with better precision.

**AI-Powered Resume Screening Tool** — GitHub Repo

- Developed a Resume Parser using Python and Flask, achieving 95% accuracy in extracting candidate details and processing 50+ resumes per session.
- Leveraged advanced NLP models (spaCy, NLTK) to significantly enhance parsing precision and extraction accuracy, reducing manual effort by 30% and improving overall efficiency.
- Integrated data validation pipelines to ensure consistency and accuracy across extracted details, reducing errors by 15% and streamlining resume parsing workflows.