

# SHASHANK KUMAR NAMDEO

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Bhopal, India

## PROFILE SUMMARY

Entry-level Software Engineer and AI/ML undergraduate with hands-on experience in Python, Django, and AWS, building scalable backend systems, REST APIs, and cloud-native applications. Skilled in automation, secure API design, monitoring, and cloud deployment, with an interest in network-aware, IoT, and enterprise connectivity solutions aligned with SD-WAN and cloud-managed services.

## SKILLS & COMPETENCIES

- **Development** - Python, Django, RESTful APIs, API Integration, Backend Architecture, Automation, Selenium
- **Cloud Devops** - AWS EC2, AWS RDS, AWS S3, AWS IAM, AWS Elastic Beanstalk, AWS CloudWatch, Docker, Cloud Deployment, Scalable Systems, Monitoring
- **Databases** - PostgreSQL, MongoDB, SQL, Data Modeling, Query Optimization
- **AI ML Analytics** - AI/ML Concepts, Generative AI (Gemini), Data Analysis, Algorithmic Logic
- **Networking Concepts** - HTTP/HTTPS, API Security, Authentication, Authorization, Secure Communication, Cloud Networking Basics, IoT Data Flow
- **Tools Practices** - Git, GitHub, Linux, Logging, Error Handling, Unit Testing, CI/CD Basics, Fault Tolerance, Agile Methodologies

## EXPERIENCE

*Software Engineer – Project Experience | Independent & Academic Projects | Bhopal, India | During B.Tech (2022 – Present)*

### HireIQ – AI-Driven Job Application Automation Platform

*Python, Django, Selenium, Generative AI (Gemini), PostgreSQL, AWS RDS, AWS Elastic Beanstalk, REST APIs*

- Built an end-to-end automation pipeline reducing manual job search effort by 70–80% with scalable backend workflows.
- Implemented a Python–Django multi-worker architecture with secure REST APIs, authentication, logging, and retry mechanisms.
- Designed fault-tolerant, database-driven workflows with monitoring and error handling for reliable automation at scale.
- Deployed on AWS with PostgreSQL-backed persistence, enabling secure, cloud-managed, and restart-safe processing.

### IntelliTrade – Automated Trading & Analytics System

*Python, Django, AI/ML, Data Analysis, Kotak Securities API, Zerodha API, AWS, REST APIs*

- Developed an AI-powered multi-asset trading platform processing real-time market data with scalable backend services.
- Integrated external APIs for secure data ingestion and automated trade execution using RESTful communication.
- Built cloud-deployed Django services supporting low-latency processing, monitoring, and secure financial data handling.
- Implemented logging, validation, and performance monitoring to ensure reliability in high-frequency data workflows.

### NeuroLearn – AI-Based Personalized Learning Platform

*Generative AI (Gemini), Django, React Native, AWS, PostgreSQL, REST APIs*

- Architected an AI-driven learning platform delivering personalized study plans using scalable cloud-native backend services.
- Applied AI/ML to dynamically adapt learning paths, improving engagement and content relevance through data-driven insights.
- Built secure REST APIs with authentication, validation, and database optimization for reliable multi-device access.
- Deployed on AWS with monitoring and cloud-managed infrastructure supporting scalable user access and data workflows.

## EDUCATION

### Bachelor of Technology – Artificial Intelligence & Machine Learning

LNCT Group of Colleges, Bhopal | 2022 – 2026

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner** – Amazon Web Services
- **Wipro TalentNext – .NET Full Stack Developer** – Wipro Limited