ASHOK RAI

Software Developer — Aspiring ML Data Engineer — Applied Data Science & AI

Munich, Bavaria, Germany

ashokrai2053@gmail.com — linkedin.com/in/ashokayrai — ashok-rai.com.np

PROFESSIONAL SUMMARY

Results-driven Software Developer with 5+ years of experience building scalable enterprise solutions and SaaS applications. Proficient in full-stack development with Django, Python, and JavaScript, combined with expertise in data science and AI. Currently pursuing M.Sc. in Applied Data Science and AI at SRH University. Proven track record in system maintenance, data analysis, and delivering real-time impact through clean, maintainable code.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (jQuery), SQL (PostgreSQL), CSS3
Frameworks & Technologies: Django, AngularJS, Git, RESTful APIs, Web Scraping
Data Science & AI: Exploratory Data Analysis, Machine Learning, Data Visualization, Pattern Recognition
Development: Full-Stack Development, UI/UX Design, Backend Systems, SaaS Solutions
Project Management: Agile Methodologies, Project Planning, Coordination, Cross-functional Collaboration

PROFESSIONAL EXPERIENCE

Software Developer *March 2021 – November 2025*
Hexagon-ml — Clifton, NJ (Remote)

- Maintained and optimized enterprise-level SaaS solutions, ensuring 99.9% system uptime through proactive monitoring
- Performed exploratory data analysis for data science applications, extracting actionable insights from complex datasets
- Developed and deployed scalable backend systems using Django and PostgreSQL for enterprise clients
- Collaborated with cross-functional teams to integrate front-end and back-end components seamlessly
- Automated data processing workflows, reducing manual effort by 40% and improving data accuracy

Python Django Developer *January 2019 – February 2021*
Ontreat — Kathmandu, Nepal

- Designed and implemented scalable web applications using Django framework with responsive UI/UX
- Developed custom web scraping solutions for enterprise partners, processing 100K+ data points monthly
- Built robust backend APIs and database architectures supporting real-time data operations
- Wrote clean, maintainable code following best practices and design patterns
- Mentored junior developers on Python best practices and Django framework optimization

Data Entry Specialist *December 2017 – December 2018*
CloudFactory — Kathmandu, Nepal

- Supported large-scale AI training initiatives for global tech companies through precise data annotation
- Processed and validated real-time datasets with 99% accuracy for machine learning applications
- Collaborated with international teams on data quality assurance and workflow optimization
- Developed foundational understanding of AI systems and data science methodologies

EDUCATION

(M.Sc.) – Applied Data Science and Artificial Intelligence *October 2025 – Present*
SRH University — Munich, Germany

Bachelor's Degree *2015 – 2019*
Prime College — Kathmandu, Nepal

CERTIFICATIONS & TRAINING

- Git & GitHub – Version Control Systems
- Command Line – System Administration & Automation
- AngularJS 1.X – Frontend Framework Development

KEY ACHIEVEMENTS

- Successfully maintained enterprise SaaS systems serving 1000+ users with minimal downtime
- Architected scalable backend solutions processing high-volume data operations
- Built end-to-end web applications from concept to deployment with strong emphasis on user experience
- Transitioned into AI/ML domain through advanced academic training while maintaining professional development work