

ASHISH THAPA

+1(249) 733-5668 | aacict@gmail.com | linkedin.com/in/aacict | github.com/aacict | thapaashish.com.np

HIGHLIGHTS

- 4+ years of experience building **scalable, production-grade** full-stack applications using modern software engineering practices.
- 2+ years of academic and **project-based experience** in AI/ML, big data processing, and applied machine learning solutions.
- Proven ability to modernize legacy systems, improve reliability, and **reduce manual operations**.
- Committed to delivering digital solutions that make a lasting difference in people's lives and communities.

EXPERIENCE

- Software Developer** Jan 2025 - Present
Al Ghawali Manpower Supply *Sohar, Oman*
- Rebuilt core systems by recovering lost code and modernizing legacy applications; delivered scalable workflow platforms including a unified admin panel for visa processing, workforce tracking, and accounting, reducing manual work by 70%.
 - Established a production-ready engineering environment with **GitHub workflows, CI/CD automation**, and optimized single-host deployments, cutting release time by 70% and enabling reliable, on-time delivery.
- AI Software Developer (Consulting Project)** Jan 2024 - Apr 2024
Botree Inc *Ontario, Canada*
- Led end-to-end delivery of an AI learning platform, managing requirements, architecture, and team execution while engineering a production-grade **RAG system** using **Django, Pinecone, LangChain, and OpenAI**.
- NodeJs Developer** May 2021 - Sept 2023
Proshore Nepal Pvt. Ltd. *Kathmandu, Nepal*
- Architected scalable full-stack systems and modernized backend services and **AWS Lambdas**, improving reliability and reducing production incidents by 20%. Automated key workflows through **third-party API integrations** and **optimized CI/CD pipelines**, cutting manual work by 70% and release time by 40%.
 - Mentored developers, led **SCRUM** ceremonies, and enforced high engineering standards through rigorous **code reviews**.
- NodeJs Developer** Dec 2019 - May 2021
Esignature Pvt. Ltd *Kathmandu, Nepal*
- Built full-stack applications with optimized architecture and database design, ensuring scalability and maintainability.
 - Developed **ETL pipelines** and conducted **unit/API testing** with Mocha and Chai, improving reliability and test coverage by 25%.
- Software Trainee** Oct 2018 - July 2019
Palmmind IT Consultancy *Kathmandu, Nepal*
- Delivered end-to-end web applications and intelligent chatbots for Banking and Commercial clients at this early-stage startup, leveraging the **MEAN stack, Dialogflow, and Loopback**

PERSONAL PROJECTS

- **Flask Server Pipeline - Backend deployment** pipeline for a Flask API using Docker, Terraform, and GitHub Actions. **Technologies: Flask, Docker, Terraform, AWS EC2, GitHub Actions**
- **AI & Machine Learning** - Collection of academic and personal projects covering reinforcement learning, NLP, classification, regression, computer vision, and other data science tasks. **Technologies: Python, Scikit-learn, TensorFlow, PyTorch, OpenCV, NLP libraries**

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, SQL
Libraries and Frameworks	NodeJs, Express, React, NextJs, NestJs, Mocha & Chai, Tailwind CSS
Databases	Postgres, MySQL, MongoDB, Redis
Cloud & DevOps	AWS (EC2, S3, IAM, RDS), Docker, Kubernetes, Git, CI/CD
Big Data/AI/ML	PowerBI, Kafka, Spark, Hugging Face, TensorFlow, Scikit-learn, PyTorch

EDUCATION

Post Graduate in Big Data Analytics, Georgian college, Barrie, Canada	Sept 2024 - Apr 2025
Post Graduate in Artificial Intelligence, Georgian college, Barrie, Canada	Sept 2023 - Apr 2024
Bachelor of Computer Engineering, Tribhuvan University, Lalitpur, Nepal	Sept 2014 - Oct 2018