

## **Chapagain, Anish**

Green Hill City #498, Kageshwori Manohara-06, Mulpani, Kathmandu, Nepal.

[anishchapagain@gmail.com](mailto:anishchapagain@gmail.com) | [Linkedin](#)

+977 01 9840065449

## **Objective**

To gain experience & challenging position in the field of AI/ML/Data Science conducive to growth, where I will consolidate, utilize, and further explore my professional skills with, and learning the latest technologies.

## **Technical Skills**

- Team & project management, leading, monitoring, training and coaching, analysis & reporting.
- Experience in Knowledge Management, AI/ML, Data Science, Cybersecurity, e-Commerce review platform.
- PySpark, Pandas, PyTorch, OCR, Django, Web Scraping, Anti-Scraping, Anti-bot testing, Selenium.
- Data & Text Analysis, Regular Expressions, Analysis/Visualization, Reporting, Shell Scripting.
- Integrating LLMs into application using APIs. Using Hugging Face Transformers for NLP tasks.
- Experience using cloud platforms: GCP, AWS.
- Experienced with DBMS: Oracle, MySQL, MSSQL, MongoDB, and SQL Querying.
- Experienced using Project Management applications BaseCamp, Blossom. Atlassian JIRA.
- Proficiency in SDLC, Technical writing/support, Documentation and delivering presentations & articles.

## **Professional Experiences**

### **Professional Freelancer.**

#### **Freelance (Part-Time)**

**1<sup>st</sup> Apr, 2009 – till date.**

- Data extraction, automation, classifying, pattern recognition, analyzing, conducting EDA, prediction.
- Track & Trace, Ecommerce: reviews, analysis, comparison, scheduling scrapper and reports.
- Building applications for data collection, text summarization, translation, and paraphrasing.
- Projects related to LLM integration, sentiment analysis, and summarization.
- Web data comparing, Data processing, testing, developing ML models from client's data.
- Projects related to SEO, data security, report automation, penetration testing.
- Studying, Reporting anti-bot cases, captchas prediction, frequencies (w/o) proxies.
- Providing training on web-penetration, NLP, NLTK, Scikit-learn, PySpark, PyTorch, Django, Pandas.
- Projects related to scraping and ML, Code reviews & testing.

### **Logpoint.** Jawalakhel, Lalitpur.

#### **Sr. Software Engineer - Python**

**23<sup>rd</sup> Feb, 2023 – 30<sup>st</sup> May, 2024**

- Python, MongoDB, JIRA, Terraform, Shell Scripts, Docker, Jenkins.
- Development/Testing SIEM, UEBA, and SOAR to SAP security.
- Developing software solutions: consulting users, systems flow, data usage, and work processes.
- Involved in SDLC, Operational feasibility analysis, solution development, and proposed solutions.

### **Grepssr.** Lalita Bhawan, Maharajgunj, Kathmandu

#### **Teal Lead – Data Acquisition**

**24<sup>th</sup> Nov, 2014 – 12<sup>th</sup> Feb, 2023**

- Leading team of software developers
- Technical Support/Monitoring Project & Client Queries plus Tickets.
- Developing/Updating Crawlers, code-review, testing and optimization.
- Sentiment Analysis over Tripadvisor & Amazon Reviews.

- Conducting Learning & Development Sessions and Knowledge Sharing.
- Project management using Atlassian JIRA. Versioning System (Git, BitBucket)

**Broadway Infosys.** Tinkune, Kathmandu.

**Instructor (Part-Time)**

**1<sup>st</sup> Mar, 2017 – 29<sup>th</sup> Dec, 2022**

- Instructing ‘Web Development with Python and Django’, ‘Data Science using Python’, “ML and AI”.
- Providing professional trainings on Python, PyTorch and Django.
- Training provided “Python and Django”, NCIT, Lalitpur.
- Project Development/Deployment, Code Reviews & Testing.

**Nexstudios Nepal Pvt. Ltd.** Maitighar (Mandala), Kathmandu.

**Sr. PHP Programmer**

**1<sup>st</sup> Nov, 2013 – 2<sup>nd</sup> Nov, 2014**

- Research, review client requirements and assist in Proposal making.
- Custom PHP coding & implementing Wordpress (Woocommerce), OpenCart, Magento, CodeIgniter.
- Coding support to developers/clients site (error testing/fixing, database maintenance, site configuration)
- Project management using BaseCamp and Blossom. Versioning System (Git).

**ZaraSoft Nepal Pvt. Ltd.** Subidhanagar, Tinkune, Kathmandu.

**Project Manager (IT Development)**

**15<sup>th</sup> Jan, 2013 – 1<sup>st</sup> Oct, 2013**

- System development using .NET Technologies deploying Entity Framework, LINQ, MVC.
- Providing IT related support, analysis information to “Dish Media Network”, “DuoMedia Technology”.
- Development of Organizational ERP, Production, Inventory, HRM, Accounting, MIS & Reporting system.
- Web development & maintenance, [www.duomedia.com.np](http://www.duomedia.com.np), [www.wikileaksnepal.com](http://www.wikileaksnepal.com) using PHP, MySQL.
- Project Management using BaseCamp. Versioning System (Git, SVN).

**Dish Media Network.** Corporate Tower, Tinkune, Kathmandu.

**Software Engineer**

**11<sup>th</sup> May, 2011 – 11<sup>th</sup> Oct, 2012**

- Web development and maintenance of [www.dishhome.com.np](http://www.dishhome.com.np) using PHP, MYSQL.
- IT Support with System related research and planning.
- Fluency in using ‘DuoSoft’, DTH Software from SriLankan vendor.
- Clients and Dealer based analysis reporting using MS-SQL 2008R2.
- Engaged on .Net based "Dmn ERP", an Enterprise ERP with Swift Technology Nepal.

**IT ExpertNepal.** Dhumbarahi, Kathmandu, Nepal.

**System Developer. (Part-Time)**

**24<sup>th</sup> April, 2011 – 1<sup>st</sup> Jan, 2013**

- System and Web Administrator for Client Sites, with Project Management and Tender bidding activities.
- Project implementation with MS Visual Studio (ASP.net, C#), and SQL Server Reporting services.
- Core Programming-using PHP (MySQL, WordPress, CakePHP, OpenCart) for various clients.
- Project management using BaseCamp. Versioning System (Git)
- Web development and maintenance [www.itexpertnepal.net](http://www.itexpertnepal.net).

**Pussycat London.** Aldgate East, London, U.K.

**Web Developer/Designer (IT Supervisor)**

**26<sup>th</sup> Oct, 2009 – 31<sup>st</sup> Mar, 2011**

- Web development & maintenance [www.pussycatlondon.com](http://www.pussycatlondon.com)
- Handling & reporting e-commerce activities with eBay.co.uk for Bonzai Ltd (Pussycat London).
- Handling and Processing Customer Enquiries cum e-Commerce support (PayPal, eBay, Google Checkout).

- Dealing with “iLevel” (Software for Clothing industry) and assisting to work dealings.
- Providing IT based software and hardware support and guidance.

**Kumari Bank Limited.** Putalisadak, Kathmandu, Nepal.

**Visa-Card Assistant.**

**23<sup>rd</sup> Oct, 2005 - 8<sup>th</sup> Oct, 2007**

- Updating and managing company website, [www.kumaribank.com](http://www.kumaribank.com) using JavaScript, PHP & MySQL.
- Daily log viewing, maintenance, backing up of live system and server NARADA SWITCH.
- System maintenance, Error handling, ATM device maintenance & supervision.
- Daily monitoring & refreshing CAM (Control and Monitoring) server.
- Database Handling & Implementation, Managing End of Day (EOD) Operations.

**Kathmandu Institute of Technology.** Sankhapark, Dhumbarahi, Nepal.

**Lecturer Computer Engineering (I.E)**

**23<sup>rd</sup> Feb, 2003 – 30<sup>th</sup> Dec, 2005**

- Lecturing in Programming Languages (C, C++, Java), Basic Hardware and Networking.

**Himalayan Institute of Technology.** New Baneshwor, Kathmandu, Nepal.

**IT Instructor/Programmer**

**17<sup>th</sup> Nov, 2002 – 8<sup>th</sup> Oct, 2007**

- Project instructor for Oracle with Developer & PL/SQL, Ministry of General Admin (Nijamati Sansthan)
- Software Development in C, C++, Borland C++ Builder, Java, Oracle with Developer.
- Website Designing HTML, PHP with MySQL, JavaScript, CSS, Apache and Linux.
- Instructing MS-DOS, Microsoft Office, Adobe Photoshop, Oracle, MySQL, PL/SQL, C, C++, Java, HTML.

## **Publications**

**Book Writer (Contract Author). Packt Publishing.** UK, India. <https://www.packtpub.com/>

- “Hands-On Web Scraping with Python: Extract quality data from the web using effective Python techniques, 2<sup>nd</sup> Edition”. ISBN: 9781837636211, Oct-2023.
- “Hands-On Web Scraping with Python”. ISBN: 9781789533392, Jul-2019.

## **Education**

**M.Sc Computer System (2007-2008), Bangor University, Wales (U.K)**

- Learning/Development using Java and Python (AI, Text Mining, Web Mining, NLP, Web Scraping). PHP/ JavaScript/ MySQL for Web development.
- Dissertation: Development of Text Mining Toolkit ‘TUI’, a GUI application in Python handling Text Mining framework (TMT) in C, by Dr. WJ Teahan.
- Development of Personal profiling system ‘webwiki’ using Python (Web Scraping techniques, Wikipedia).

**Executive-MBA (HRM) (2004-2006), Himalayan Whitehouse Int’l College, Ktm, Nepal.**

- Specialization in Human Resource Management, Thesis submitted “Human Resource Information System”.
- Subjects: Accounting, Organization Behavior, Research Methodology, TQM, HRM, Economics etc.

**B.Sc. Computer Science (1999-2002), Campion College, Kupondole, Lalitpur, Nepal.**

- Obtained distinct grade in Core Java Programming.
- Major Project: Media Player using Borland C++ Builder. 2002 (B.Sc. Computer Science).

- Subjects: Numerical method, Data Structures, Computer Graphics, DBMS, Mathematical procedures, Physics, C & C++ Programming Language.

### **Professional/Academic/Online projects ...**

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- “LLMs with Google Cloud and Python” Udemy, 2024.
- “Advanced Python: Working with Databases” LinkedIn learning, 2022.
- “Developing your Team Members” LinkedIn Learning, 2022.
- “The Ultimate Hands on Hadoop: Tame your Big Data” Udemy, 2022.
- “Data Engineering Essentials using SQL, Python, and PySpark” Udemy, 2022.
- “Machine Learning A-Z: Hands-On Python” Udemy, 2020.
- “Element of AI” – University of Helsinki (Online 2 ECTS), 2018
- Web based ‘Data collection & Exporting IS’ using PHP/MySQL/AJAX for ‘SFCG Nepal’, Lazimpat-2014
- Project-CDRMP (Online Building Permit System) with Kathmandu Metropolitan Office, UN House and Innovative system (Pulchowk, Lalitpur). (ITExpertnepal - 2012).
- Freelancing, Web development using CakePHP ([www.netrenos.com](http://www.netrenos.com)) - 2011
- Library Management System using Oracle with Developer, 2004 (Himalayan IT)

**LinkedIn Profile:** <https://www.linkedin.com/in/anish-chapagain-a581386/>

**References are available upon request and as required.**