Aashish Tangnami

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SUMMARY

Ambitious and dedicated Data Scientist with 3 years of experience in developing scalable software solutions; I excel in engineering data-driven applications from conception to execution. My academic and practical experiences have honed my skills in Machine Learning and complex problem solving. I am eager to apply these skills in a dynamic environment to contribute to innovative projects and propel organizational growth in Data Science roles.

SKILLS

- Programming Languages: Python, JavaScript, R, SQL, Rust
- Frameworks/Libraries: Django, FastAPI, Pandas, NumPy, Keras, TensorFlow, PyTorch, NLTK, OpenCV, Scikit-learn
- Databases: SQL, PostgreSQL, MongoDB,
- Tools/Platforms: Jira, Notion, Git, PySpark, Hadoop, Hive, AWS
- Specializations: Data Science, Artificial Intelligence, Machine Learning, Data Visualization, Natural Language Processing, Computer Vision, Deep Neural Networks, Statistical Analysis, LLM, Fine Tuning

EXPERIENCE

Remote AI Software Engineer

Direct Global/ Direct-coop. Toronto   Sep 2023 – Jan 2024

- Spearheaded the development of a data entry automation application, eliminating manual entry and slashing data processing costs by 100%.
- Page Object Model (POM) and Page Factory Architecture in application design, streamlining development and maintenance processes.
- Ensured compliance with data regulations, maintaining client data integrity.
- Employed best practices in API security, version control, and documentation for enhanced system robustness and maintainability.

Software Engineer

Terakoya Academia Inc. (Japan) – KTM Nepal   Jan 2021 – April 2022

- Led the redevelopment of a KPI monitoring web application, transitioning from VBA to Python and AngularJS and Elasticsearch stack, improving data processing speed by 50%.
- Adopted SOLID principles and agile methodology which improved software maintainability and accelerating the release cycle by 30%.
- Conceived and critically evaluated test routines using SonarQube increasing code quality and reducing bugs by 20%.
- Deployed the system as staging on a serverless platform like Amazon's Elastic Container Services (ECS), and Elastic Compute Cloud (EC2) by utilizing Docker and CI/CD pipeline enabling real-time data processing and uptime 99%.
- Pioneered and rigorously assessed an innovative coding curriculum for K-12 students, under the mentorship of a senior AI engineer at APPLE and an Infrastructure engineer in Tokyo.
- Successfully implemented the curriculum in two schools in Nepal.

Python Developer Intern
Outlines Research and Development   Sep 2020 – Dec 2020
- Automated data extraction pipeline using python, OpenPyXL and Selenium to fetch data from Excel files, streamlining the data.
- Leveraged python web frameworks like BeautifulSoup4 to scrape data from websites and seamlessly store it into Excel enhancing data collection.
- Streamlined data scraping using python reducing manual data entry improving efficiency in data manipulation and processing by 40%.

Junior Software Engineer
Kunyo.co   Oct 2019 – Aug 2020
- Strategically analyzed clients' project requirements, gaining insights into their business background to inform website development strategies.
- Spearheaded in designing and building websites using scripting languages like PHP, HTML5, CSS3, JavaScript, and MySQL under mentorship resulting in a 25% increase in client satisfcation.
- Collaborated with senior developers in developing and validating test routines and schedules using automated testing strategies, ensuring high-quality web applications, delivering projects 20% faster.

EDUCATION
Artificial Intelligence and Data Science   May 2022 – Dec 2023
Loyalist College, Toronto, Canada

Bachelor's in computing (Hons, Software Engineering)   Sep 2016 – August 2019
University of Northampton (UK)

PROJECTS
- Text Summarization Project:
  - Crafted a Python-based text summarization application with TensorFlow and Hugging Face Transformers, focusing on Transformer architectures for streamlined conversion of extensive documents into succinct summaries.
- Spam Classifier:
  - Leveraged NLTK, TensorFlow, and Scikit-learn for NLP and machine learning, significantly enhancing email filter efficiency and improving user experience by minimizing spam.

- Customer Segmentation Analysis for Mall Customers:
  - Conducted in-depth exploratory data analysis on mall customer data with supervised learning algorithms such as logistic regression, decision trees, random forest, and Naive Bayes, uncovering age, income, and spending patterns that indicate distinct customer segments. Leveraged this analysis to form targeted marketing strategies, emphasizing the inverse relationship between age and spending score.

CERTIFICATIONS
- AWS Certified Data Engineer – Associate, 2024
- Maths for Data Science, Coursera 2023
- Artificial Intelligence and Business Strategy, LinkedIn, 2023
- JavaScript Essential Training, LinkedIn, 2020
- Python Core, Html, CSS, 2019

HOBBIES & INTEREST
- Playing soccer | Sketching | Writing Poems | Exploring nature