NAMAN PRIYADARSHI

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ABOUT

Currently a senior at Cluster Innovation Centre, University of Delhi, pursuing a major in Information Technology and Mathematical Innovation. My major areas of interest include data science, machine learning, computer vision, and software engineering.

EDUCATION

Bachelor of Technology (Information Technology and Mathematical Innovation) Expected August 2024
Cluster Innovation Centre, University of Delhi
Relevant Coursework: Calculus, Ordinary Differential Equations, Programming Fundamentals, Linear Algebra, Discrete Mathematics, Data Structure and Design, Partial Differential Equations, Algorithms, Data Modelling and Design, Operating Systems, Data Communication, Probability and Statistics, Complex Analysis, Artificial Intelligence, Computer Graphics, Game Theory, Linear Programming, Computation Structure and Logic, Internet and Web Technology, Computational Social Science.

SKILLS

Languages	Python, C, C++, R, Kotlin, Dart
Frameworks	scikit-learn, PyTorch, flutter, mkdocs, GH actions
Tools/Platforms	Linux, Windows, Android, Google Cloud, Firebase
Databases	Firestore, HiveDB, MongoDB, MySQL

EXPERIENCE

Open Science Labs — February 2024 - June 2024
Open-source Software Development Intern — *Remote*

- The project proposes to Improve SciCookie's Documentation, which includes implementing a new documentation engine, adding doctrings, creating new tutorials and examples.
- Keywords: Python, mkdocs, GitHub CI/CD, Open-source software

Software and Computational Systems Lab, LMU Munich — June 2023 - November 2023
Open-source Software Development Intern — *Remote*

- Modernizing tests in BenchExec (A Framework for Reliable Benchmarking and Resource Measurement)
- The project proposed to migrate the testing framework of BenchExec from nose to pytest, incorporate pytest into the codebase, and increase overall coverage of the software.
- Keywords: Python, pytest, GitHub CI/CD, Open-source software

iGurus Consultancy Services LLP — July 2022 - Sept 2022
NLP Research Intern — *Remote*

- Project proposed a new hybrid approach of fusing Encoder-Decoder Architecture with an Attention Mechanism to provide Hindi to English Machine Transliteration.
- Keywords: Natural Language Processing, PyTorch, Machine Learning, Python

SimplyLocal, Wabitech — July 2021 - Sep 2021
App Development Intern — *Remote*

- Research, analysis, development, and testing to upgrade the functionalities of SimplyLocal.
- SimplyLocal is a location based virtual noticeboard that allows residents to have conversations with people in the area and campus.
- Keywords: Android, FastAPI, Kotlin, Firebase

PUBLICATIONS

*Co-First Authors

Anjani Kumar, Ojus Kumar*, Harsh Kumar*, **Naman Priyadarshi***. An Accuracy Improvement in Facial Verification through Siamese Neural Networks. Journal of Image Processing Pattern Recognition Progress. 2023; 10(2): 1–9p.

PROJECTS

ForMente Using Natural Language Processing, ForMente lets you diagnose your feelings in the form of a secure personal diary. The NLP model is deployed on Heroku using FastAPI, and the app uses Firebase and Firestore as its backend.
Tech: Natural Language Processing, Flutter, Dart, FastAPI, Python, Firebase, Firestore, Heroku, GitHub Actions
[(Github Repository)](#)

Detection and Quantification of Feminist and Sexist Content on Twitter Analyzed Twitter data related to women's sports, collected using Snscrape, and employed NLP models like BERT, RoBERTA, and DistilBERT to detect sexism in a dataset comprising of 20,000 tweets.
Tech: Python, Natural Language Processing, Sentiment Analysis, Data Scraping, Data Analysis [(Project Report)](#)

riemapp: a Python library for visualising complex mappings A statically typed Python 3.7+ library that provides aliases for core manim (Mathematical animation engine Python library) geometries and exposes manim's internal APIs programmatically to create precise and smooth complex mappings.
Tech: Python, Python Packaging, GH Actions, mkdocs, manim [(Documentation)](#)

Happiness Index Study In this project, we analyzed Twitter data related to students, collected 16000 tweets using Apify, analyzed patterns and calculated happiness index using RoBERTa.
Tech: Python, Natural Language Processing, Sentiment Analysis, Data Scraping, Data Analysis [(GitHub Repository)](#)

EXTRA-CURRICULAR ACTIVITIES

- Winner - Asus ROG Showdown Series CS2 2v2 2023 Uttar Pradesh, India (eSports)
- Winner - Alienware 2v2 CS2 2023 Delhi, India (eSports)
- Winner - Asus ROG Showdown Series CSGO 1v1 2023 Delhi, India (eSports)
- Winner - Asus ROG 1v1 Showdown CSGO Delhi, India - September, 2022 (eSports)
- Winner - Asus ROG 1v1 Showdown CSGO Uttar Pradesh, India - September, 2022 (eSports)

LANGUAGES

- English (Fluent), Hindi (Mother Tongue)