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Top Skills

Data Analytics
Machine Learning
Web Development

Languages

Hindi (Limited Working)
English (Native or Bilingual)
Japanese (Elementary)

Certifications

Agile Certified Practitioner
Privacy by Design Python
Miracles of Human Language: An
Introduction to Linguistics
Cloud computing / Google Cloud
Platform
Six Sigma Green Belt / KPMG India

Projects

Machine Learning
Improving Generalisation in NER
Machine Translation
Named Entity Recognition
Negation Scope Detection
Semantic Role Labelling
Emotion Detection System

Web Development
Image Search Engine
Real Estate Management
E-commerce Shopping
Flights booking & Tracking

Nikhil Mathews

NLP Researcher | Text Mining | Ex-Frontend Developer (React /
Angular) Amsterdam, North Holland, Netherlands

Summary

I'm an NLP researcher and former Senior Frontend Developer with experience spanning natural language processing, machine learning, and full-stack web development. I recently completed a Master's in Linguistics: Language & AI (Text Mining) at Vrije Universiteit Amsterdam, where I worked on Named Entity Recognition, grammatical error detection, and model generalisation using transformer models (BERT, XLM-R), spaCy, and HuggingFace.

Before my shift into NLP, I spent several years building and deploying complex web applications with Angular, React, Node.js, and the MERN stack, leading teams and delivering scalable, user-centric products. This combination of applied AI and software engineering allows me to bridge research with practical implementation, from experimentation and data analysis to full product development.

I'm particularly interested in applied NLP, annotation tooling, and hybrid AI-web systems where I can contribute both technical depth and product-driven design.

Experience

SiteRecon

Senior Frontend Developer

September 2022 - August 2023 (1 year)

Maharashtra, India

Built high-performance components using ReactJS, OpenLayers, and other libraries and made web applications responsive and cross-browser compatible with low latency, and heavy data handling with ease, and robustness. Optimized application performance and reduced page loading speed. Focused on creating reusable pure components in a private npm package and optimized all sections by reducing redundant code. Reduced code weight by 30%.

Deployed various applications using Putty and overall contributed to features used in 80% of all user interactions.

Infosys

2 years 11 months

Senior UI Developer

January 2022 - November 2022 (11 months)

Pune, Maharashtra, India

Managed a team of 5 for meeting individual goals as well as client user stories while working in parallel as the sole frontend developer to address client queries and provide solutions to all feedback using Angular 10.0.9 and up. Helped deploy applications on Test and Live servers using Docker and MobaX. Used application servers such as Tomcat to build and host the application on the server. Used Gulp, Jasmine, and Karma for peer review and testing of the team's code and checking code coverage.

Guided team members to document all development and progress according to best practices on Confluence and managed user stories and tasks on Jira.

UI Developer

January 2020 - December 2021 (2 years)

Pune, Maharashtra, India

Built a Single Page Application using HTML5, CSS, Angular8, Angular Material, and Bootstrap for financial transactions management platform. Created a user-friendly interface to help clients deal with financial transactions. Collaborated with backend team to make sure all processes were optimized, efficient, and smooth. Mentored 2 junior frontend developers on Angular, documentation as per best practices of the organization on Confluence. Created multiple reusable components that helped save over 50 hours of development per module.

Helped deploy applications on Test and Live servers using Docker and MobaX. Used application servers such as Tomcat to build and host the application on the server. Used Gulp, Jasmine, and Karma for peer review and testing of the team's code and checking code coverage.

System Engineer

January 2020 - January 2021 (1 year 1 month)

Created a C# Query that automated an ETL process (SSMS), consolidating and formatting the output and a daily mail to circulate the result. This saved 1.5 hours of manpower per week and eliminated human error. Analyzed the end-to-end flow of data systems and worked to rectify the errors in the DB syncing

program in case of unexpected results. Manually synced various systems/servers on an as-needed basis to reduce bottlenecks.

Career Matters Placement Services IN

HR recruiter

August 2019 - September 2019 (2 months)

Pune

Helped connect various employees to specific job opportunities tailored to their skillsets. Helped companies fill in vacancies and optimize resource acquisition. Helped increase the rate of resource acquisition by 15%.

KELTRON ADVANCED STUDIES

Summer Intern

June 2018 - July 2018 (2 months)

Kerala, India

Learnt Embedded systems and how to apply them in practical scenarios via python coded projects.

The main focus of the internship was working on the following project-

Navigation System for the Blind:

An Arduino-based system that uses Ultrasonic waves to detect distances from objects and relays the data using synthesized voice output in Python. The system could sense obstacles up to a distance of 15 m with 95% accuracy.

AIESEC in Chennai

Team Leader International Relations

June 2016 - June 2017 (1 year 1 month)

Chennai, Tamil Nadu, India

Built connections with 8 new countries, for the Foreign exchange program, as International Relations Manager. Managed and trained a team in Sales and improved department profit by 15%. Managed customer experience for all exchange participants at an approval rating of 92%. Analyzed the data of the sales department to optimize workflow to cut expenses by 20%

Education

Vrije Universiteit Amsterdam (VU Amsterdam)

Master of Arts - MA, Linguistics Text Mining · (September 2024 - August 2025)

SRM University

Bachelor of Technology (BTech), Electrical, Electronics and Communications Engineering · (2015 - 2019)

The Army Public School

Higher Studies, PCM + Physical Education · (2012 - 2015)

The Bishop's School, Pune

School · (2002 - 2010)

Skills

Python • JavaScript • C# • HTML / CSS • AngularJS • React.js • Node.js • spaCy • Docker • Tomcat • Gulp.js • Google Cloud Platform (GCP) • Natural Language Processing (NLP) • Agile • Data Structures & Algorithms • Arduino • Confluence • Jira • Machine Learning • SQL • MongoDB • Excel / Google Sheets / Numbers • Git • Java • MATLAB • Business Analytics