

NILAKSHI NAGRALE

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Dedicated Software Developer with 2 years of professional experience, seeking work in Full Stack Development, Data Engineering, Data Science and Analysis, Data Visualization, Statistics, & Analytics domains.

EDUCATION

University of Southern California Los Angeles, USA
Master of Science in Computer Science August 2024 - May 2026
Coursework: Analysis of Algorithms, Web Technologies, Natural Language Processing, Multimedia System Design

University of Mumbai India
Bachelor of Engineering in Computer Engineering with Distinction (GPA: 9.18 / 10) August 2018 - May 2022
Coursework: Data Structures, Database Management, Machine Learning, Human Machine Interaction, Operating Systems

PROFESSIONAL EXPERIENCE

Volkswagen Group Technology Solutions Pune, India
Software Engineer - IRIS Product Team August 2022 - June 2024

- Coordinated and programmed **Microservices** for IRIS, an OCR powered Intelligent Invoice Automation System, leveraging the **MEAN** stack & **REST API**; catered to **9000+** Automotive Vendors
- Spearheaded end-to-end development of IRIS's Payment modules tailored for Audi-Volkswagen Korea clients, Redesigned and upgraded Version 2 of IRIS VWITS to enhance functionality and user experience
- Assessed and resolved Application Management Service issues for Skoda-Volkswagen IRIS Clients, resulting in a significant **20% increase** in application adoption and client usage
- Administered Production Deployments, **mentored 2** junior associates, orchestrated peer code review, prepared technical documentations
- Felicitated with 'Group Essentials' Award in Q3 2023 for outstanding year-long performance, an honor granted to 3 out of 1400 employees

ACADEMIC PROJECTS

Weather Information App *University of Southern California, Sept 2024*

- Developed a responsive web application to display weather information, incorporated Google Maps Geocoding for real-time location detection, & auto completion flow, improved search accuracy by **30%**
- Integrated MongoDB Atlas for persistent user data storage, deployed on Azure, attained **98% uptime**, enforced HighCharts for interactive visualizations, enhanced user engagement by 40%
- Utilized technologies: **Angular, Bootstrap, Node.js, MongoDB Atlas, Microsoft Azure Cloud, JSON, AJAX, Tomorrow.io API, Google Maps API, HighCharts.**

QuantX: A Stock Recommendation System *University of Mumbai, May 2022*

- Analyzed consumer behavior, combined **sentiment analysis** to correlate stock prices with global news, and delivered investment recommendations, accomplished **71% accuracy** rate in 1 month using Linear Regression & LSTM algorithms
- Adopted technologies: **Python (NumPy, Pandas, Matplotlib, Scikit-learn, and TensorFlow libraries), JavaScript, HTML5 and CSS3, Alpha Vantage Stock Price API for NSE data, Tweepy API for digital news feeds, and AdobeXD for wireframes**

Wikipedia Text Summarization System using Natural Language Processing *University of Mumbai, March 2022*

- Constructed a Python-based text summarization system for Wikipedia, using key sentence extraction and HMM-based POS tagging to secure **80% context coverage**
- Applied technologies: **Python, Natural Language Toolkit, Jupyter Notebook, BeautifulSoup Parser, and Heroku**

TECHNICAL SKILLS

- Programming:** JavaScript|Python|C++|SQL|Java | **Web Development:** HTML|CSS|Node.js|Angular|React|TypeScript|BootStrap
- Database Management:** Microsoft SQL Server, MySQL, MongoDB, NoSQL, Sequelize-ORM, PostgreSQL
- Tools & Methodologies:** Microsoft Azure, Google Cloud Platform, Docker, Tableau, PowerBI, Version Control (Git, BitBucket), Jira, AdobeXD, Figma, GitHub, Microsoft Office Suite (Word, Excel, PowerPoint), Agile

EXTRA-CURRICULARS

- Nominated as the **General Secretary** of Computer Society of India (2020-2021) wherein, led a team of 48 members, planned and executed Flagship events: EnCypher'20 and Incognito-CSI Week
- Operated as the **Lead Curator** for TEDxVIT 2021, curated TED speaker's personality & speech in adherence to TEDx guidelines