

# NILAKSHI NAGRALE

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Dedicated Software Developer with **2 years** of professional **experience**, seeking work in Backend/Frontend Development domains.

**Summer Availability: May 12th, 2025 to August 28th, 2025.**

## EDUCATION

**University of Southern California**

Los Angeles, USA

**Master of Science in Computer Science**

August 2024 - May 2026

Coursework: **Algorithm Design & Analysis**, Web Technologies, Natural Language Processing, Multimedia System Design

**University of Mumbai**

India

**Bachelor of Engineering in Computer Engineering with Distinction**

August 2018 - May 2022

Coursework: **Data Structures, Database Management, Computer Networks, Distributed Computing**, Machine Learning, Operating Systems

## PROFESSIONAL EXPERIENCE

**Volkswagen Group Technology Solutions**

Pune, India

**Software Engineer - IRIS Product Team**

August 2022 - June 2024

- Programmed **Microservices** for IRIS, an OCR-powered Intelligent Invoice Automation SaaS System, leveraging the **MEAN** stack & **REST API**; partnered with cross-functional teams to cater 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
- Resolved Application Management Service issues for Skoda-Volkswagen IRIS Clients, maintained quality assurance, resulting in a significant **20% increase** in application adoption and client usage
- Administered Production Deployments, **mentored 2** junior associates, orchestrated peer code reviews, **integrated backend systems with UI** and prepared detail-oriented technical documentation
- 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 (Mobile Development)**

*University of Southern California, Sept 2024*

- Developed a responsive iOS application to display weather information, concentrating on **responsive design** and **intuitive user interface**, 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, enforced HighCharts for **interactive visualizations**, **enhanced user engagement by 40%**,
- Utilized technologies: **Swift, MongoDB Atlas**, Tomorrow.io API, Google Maps API, HighCharts.

**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++** | **Java** | R
- **Web Development:** HTML | CSS | Node.js | Angular | React | TypeScript | Bootstrap | Django
- **Database Management:** Microsoft **SQL** Server, MySQL, MongoDB, Kafka
- **Tools:** Microsoft Azure, Google Cloud Platform(GCP), Docker, Tableau, PowerBI, Babel, Version Control (Git, BitBucket), Jira, AdobeXD, Figma, GitHub, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), PyTorch, Visual Studio, 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  
Skills Gained: Decision-making; Thought Leadership, Presentation skills; Problem-solving, Interpersonal & communication skills;