NILAKSHI NAGRALE

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Dedicated Software Developer with **2 years** of **SDE 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 **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 & 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 an 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 visualization**s, **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, Problem-solving, Presentation, Interpersonal & communication skills;