Sanket Suresh Nadkarni

Norfolk, VA | 📞 +1 (757) 769 3778 | ✉ nadkarnisanket15@gmail.com | 🔗 [Sanket Nadkarni](#)

SUMMARY

Results-driven Software Developer with over 3 years of experience in full-stack development, specializing in Node.js, React.js, and GraphQL. Proven track record in designing and deploying high-performance educational portals and APIs. Strong problem-solving skills with a focus on optimizing performance and scalability. Currently pursuing a Master's in Computer Science with a focus on data science and algorithms.

EDUCATION

Old Dominion University   **Aug 2023 – May 2025**
Master of Science in Computer Science   *GPA: 3.8/4.0*
- Relevant Coursework: Operating Systems, Web Programming, Foundations of Computing, Data Science, Algorithms and Data Structures, Data Visualization

Savitribai Phule Pune University   **Aug 2016 – July 2020**
Bachelor of Engineering in Computer Engineering   *GPA: 3.4/4.0*
- Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence

EXPERIENCE

Proxima Systems   **Nov 2020 - July 2023**
Software Developer   *Pune, Maharashtra, IN*
- Led the design and development of a comprehensive educational portal, enhancing user experience with interactive features and user-friendly interfaces.
- Developed over 50+ GraphQL APIs using MolecularJS, a progressive microservices framework for Node.js, leveraging TypeScript for type safety and maintainability.
- Collaborated with frontend teams to implement and optimize React.js components for high performance and seamless integration.
- Customized GraphQL schemas and resolvers to enhance data fetching flexibility; utilized Node.js for efficient asynchronous operations and scalability.
- Designed and implemented a PostgreSQL database, integrating Micro ORM for streamlined operations and data integrity.
- Spearheaded the integration of Azure DevOps into the workflow, improving project management and deployment processes.

SKILLS

- **Languages**: Typescript, Python, C/C++, C#, Java, JavaScript
- **Tools**: NodeJs, NestJs, ReactJs, NextJs, GraphQL, Restful APIs, Strapi, Azure Cloud, Microservices, MicroOrm, MolecularJs, PostgreSQL, Django, Git, Tableau, Advanced Excel, MySQL, Git/GitHub, TensorFlow, PyTorch, NLTK, AWS, Flask, OpenAI, FastAPI, Tailwind, Kubernetes, Terraform, ElasticSearch, Redis
- **Functional Skills**: Full-Stack Development, Data Visualization, Agile Methodology, Data Cleaning, Data Mining, Machine Learning, OOPs Concepts, Distributed Systems, TCP/TDD, UDP, Linux/Unix

PROJECTS

Chatbot AI — NLP, Python, Tensorflow, Keras, Deep learning, Django, Reactjs   **Jan 2024 - March 2024**
- Developed an advanced NLP chatbot using Python, TensorFlow, and Keras, hosted on Django and React platforms, designed to classify user intents from textual inputs with an accuracy increase of over 95%.
- Integrated key NLP techniques and designed model architecture, employing JSON for robust data management and utilizing tokenization, sequence padding, an Embedding layer for text vectorization, GlobalAveragePooling1D for dimensionality reduction—contributing to a 30% improvement in data processing efficiency.
- Enhanced operational efficiency and reproducibility by implementing model serialization and data preprocessing with Pickle, which reduced system latency by 25% and improved response accuracy.

Leaf Disease Detection using Image Processing — Image Processing, Deep Learning, Python **Nov 2019 - April 2020**
- Developed an innovative Plant Disease Detection system using advanced image processing and deep learning techniques, achieving a 95% accuracy rate in identifying diseased plant leaves from over 500 analyzed images.
- Utilized a custom-designed deep neural network for key feature extraction and analysis, enhancing disease prediction and recognition capabilities by 40%.

Course Advisory Portal — Typescript, React/NextJs, NestJs, GraphQL, Git, PostgreSQL, Tailwind CSS **Feb 2024**
- Lead Developer for a Course Advisory Portal, architecting and implementing the frontend using React.js and Next.js, coupled with a robust backend built on Node.js and Nest.js. This comprehensive development approach significantly enhanced user engagement and satisfaction.
- Integrated Apollo GraphQL for streamlined API interactions and utilized TypeScript for enhanced type safety and maintainability, achieving a 30% improvement in user interface responsiveness and data handling efficiency.