

NACHIKETH JOSHI

813-897-1511 | Tampa, USA | nachikethjoshi28@gmail.com | [github/nachikethjoshi](https://github.com/nachikethjoshi)

PROFESSIONAL SUMMARY

Versatile Computer Science graduate with a Master of Science from the University of South Florida and experience in software development, data analytics, and machine learning. Skilled in Python, Java, SQL and NoSQL, and frameworks such as Spring Boot, React, and TensorFlow to build secure, scalable applications and extract actionable insights from complex datasets. Strong collaborator with a focus on performance, automation, and data-driven problem solving across engineering and AI domains.

WORK EXPERIENCE

Software Engineer

Mar 2025- Present

SansAmerica, NJ, USA

- Engineered scalable data pipelines and ETL workflows using Python (pandas), SQL, and cloud tools, improving data quality and reducing reporting errors by 20%.
- Developed automation scripts and APIs to streamline recurring reporting tasks, cutting manual effort by 25% and ensuring seamless data accessibility across teams.
- Performed in-depth exploratory data analysis and applied statistical techniques to uncover patterns and correlations, translating findings into clear, actionable insights that informed product and marketing strategies.
- Designed and deployed interactive dashboards in Tableau/Power BI that visualized key business metrics, allowing senior leadership to track performance trends in real time and make faster, data-driven decisions.

Systems Engineer

Jun 2021 - Dec 2022

Tata Consultancy Services, India

- Built a scalable MCPTT application in Java & Spring boot, **improving API response by 33%** and **reducing server load by 25%**, ensuring fault tolerance and reliability in distributed systems.
- Developed an interactive log analysis software using php & .net, reducing analysis time by **75%** and saving **15+ hours/week**, by leveraging **distributed computing** for efficient data processing.
- Optimized SQL/NoSQL operations, boosting query performance and scaling DynamoDB to handle **30%** more traffic, ensuring scalability.
- Implemented Docker-based containerization, **reducing deployment time by 25%** and ensuring consistency across environments.
- Facilitated Agile methodologies, boosting team productivity through sprint planning and backlog management.
- Improved CI/CD pipelines using Jenkins & Git, **reducing integration time by 50%** with automated testing & deployment, collaborating with cross-functional teams to streamline processes and enhance user experience.

AI/ML Engineering - Intern

Feb 2019 - May 2019

Cybermotion Technologies, India

- Developed an AI-powered Learning Management System (LMS) product, "**AI Educator**", using Python, Machine Learning, Deep Learning, and Natural Language Processing, leveraging distributed computing for scalable data processing.
- Spearheaded collaboration with cross-functional teams to analyze user behavior, refining algorithms to enhance user experience, leading to a **15% increase in user engagement**.
- Improved system usability and **performance by 25%** through algorithm optimization, utilizing insights from real-time distributed systems to create an adaptive learning platform.

SKILLS AND CERTIFICATIONS

Programming languages: C++, Python, Java, C, Javascript, C#, R

Technologies: SQL, MySql, MongoDB, PHP, Microsoft SQL Server, AWS, NodeJS, React, Spring Boot, Angular, Unix, Tensorflow, Keras, Numpy, Pandas, Scikit learn, HTML, Kubernetes, CSS, Bootstrap, Git, Linux, .net, GCP, REST, Bitbucket, Gitlab, Apache Kafka

Concepts: Web Development, Cloud Computing, Data Science, Design Patterns, Microservices, Data Analysis, Artificial Intelligence, Machine Learning, Agile Methodologies, Network Security, Big-data analysis, Neural Networks, Devops, Software Development Life Cycle,

Certifications: *Tensorflow Developer Certificate, AWS Fundamentals Certification, PHP web application on a LAMP Stack*

EDUCATION

University of South Florida, Tampa
Master of Science in Computer Science

Jan 2023 - Dec 2024
GPA: 3.67/4

B V Raju Institute of Technology, India
Bachelor of Technology in Computer Science

Jul 2017 - May 2021
GPA: 8.5/10

PROJECTS

Smart Attendance Management System | *Python, Machine Learning, SQL, Git, Neural Networks, Computer Vision, Flask*

- Designed and implemented a face-recognition-based attendance system using Python, Flask, React, and TensorFlow, achieving 95% detection accuracy and reducing manual workload by 90%.
- Optimized data pipelines and database queries, reducing processing time by 20% and improving overall system responsiveness.
- Integrated real-time camera streaming and automated notifications, enhancing usability and reliability for large classrooms and corporate training environments.
- Deployed the application on a cloud platform with Docker containers, ensuring scalability and seamless updates..

Smart Text Summarizer Application | *Python, Natural language processing, NLTK, Machine learning, flask, React.js, LLM's*

- Built an AI-powered text summarization tool that combines traditional NLP techniques with fine-tuned large language models to generate concise, context-aware summaries.
- Improved user experience by reducing reading time by 80% and increasing user satisfaction by 50% based on beta-tester feedback.
- Implemented an interactive React.js interface and REST API for smooth integration with third-party applications and web services.
- Added support for multi-document summarization and customizable summary lengths, broadening usability across research and enterprise use cases.

ACHIEVEMENTS

- Successfully mentored over **50 students** in DSA and System Design, boosting exam performance by 75% as a **Software Programming instructor** at '*Smart Interviews*'.
- Developed an interactive website for my college's technical fest, **Promethean2k19**, using HTML, CSS, JavaScript, and Bootstrap, improving event accessibility and engagement.
- Secured **1st place** in the "Once Upon a Time", a storytelling competition organized by **Club Inquizitive**.
- Honored with a Certificate of Appreciation from **TCS** senior leadership in recognition of exceptional performance and contributions.
- Received formal appreciation from senior management at **Sans America** for delivering high-impact data analysis solutions that improved reporting accuracy and efficiency.
- Earned recognition at **Cybermotion Technologies** for innovative AI/ML development and collaborative teamwork during the AI Educator project.