VIDHI KETANKUMAR KANSARA

Github Vidhi Kansara | +1 (640) 250 7102 | vidhikkansara@gmail.com | LinkedIn Vidhi Kansara

EDUCATION

Stevens Institute of Technology – Hoboken, NJ, USA   Expected Graduation: May 2026
Master of Science in Computer Science | CGPA: 3.6/4.0
Key coursework: Math foundations for Machine Learning, Algorithms, Agile Methods for Software Engineering.

Mumbai University – **Mumbai**, **Maharashtra**, **India**   Graduation: Jun 2024
Bachelor's in Technology in Computer Engineering with Honors in Intelligent Computing | CGPA: 3.9/4.0
Relevant coursework: Artificial Intelligence, Machine Learning, Natural Language Processing, Algorithms, Operating Systems, Data Structures, Computer Architecture, Database Management Systems, Software Engineering, Digital Signal Processing

- **Finalist** in various **national-level hackathons** such as **KAVACH'23**, showcasing strong technical and teamwork abilities.

WORK EXPERIENCE

Stevens Institute of Technology, Hoboken, New Jersey, USA   Oct 2024 – Present
Graduate Assistant, Career Outcomes Office

- Conducted **data analytics** in 10,000+ alumni career trajectories, uncovering key trends that led to 15% improvement in career service strategies
- Assisted in the generation of reports and visualizations to communicate key metrics to the university's leadership team.

JP Morgan Chase & Co, Mumbai, Maharashtra, India   Jun 2023-Aug 2023
Software Developer Intern, Asset and Wealth Management

- Engineered a **machine learning**-powered Portfolio Optimizer tool that increased portfolio analysis efficiency by 20% for 1,000+ asset managers, leading to 5% improvement in investment performance
- Implemented responsive UI components using **JavaScript** and **React.js**, reducing load time by 30%.
- Participated in an **Agile environment** using JIRA for sprint planning and daily standups, achieving 95% sprint completion rate.

TECHNICAL SKILLS

Languages: Java, Python, C++, C JavaScript, SQL, Go, DART, Flutter
Frameworks and Libraries: React.js, Node.js, Rails, Django, Flask, PyTorch, TensorFlow, Webpack
Cloud/DevOps: AWS, Docker, Kubernetes, Git, CI/CD
Tools and Platforms: JIRA, Linux, Hadoop
Development: Agile/Scrum, OOP, Microservices, RESTful APIs,

PROJECTS

Vita Voice - Health Assistant Platform | React Native, Node.js, TensorFlow, MongoDB, RESTful APIs

- Engineered an end-to-end voice-enabled healthcare companion using **React Native and Node.js**, processing 1000+ daily interactions and achieving 98% user engagement rate
- Implemented ML-powered **emotion detection and speech analysis** system using Python and TensorFlow, improving medication adherence by 40% among elderly users

Sakhi- AI Healthcare Chatbot | Flutter, Python, PyTorch, TensorFlow, NLP, AWS

- Architected a **multilingual maternal healthcare** chatbot using PyTorch and Transformer models, achieving 90% accuracy in medical query responses
- Implemented custom **NLP pipelines for 5 regional languages**, expanding accessibility to 100,000+ rural women
- Integrated **machine learning** to advance real-time response and safety measures.

Rakshika – A New Age Women Safety Application | Flutter, Django, TensorFlow, IoT

- Developed real-time alert system using **Flutter and Django**, achieving 99.9% uptime and <2s response time.
- Integrated **IoT device** with application, enabling support for 10,000+ non-smartphone users.
- Implemented ML-based threat detection algorithm with 95% accuracy.

Web Development Projects | JavaScript, React, Django, AWS

- Built scalable platforms using **JavaScript, React, Django**, and integrated **AI-driven personalization** features to enhance user experience in a **travel booking site**, **fitness coaching platform**, and **pregnancy care website**.
- Enhanced platform security and scalability by incorporating **AWS** for cloud deployment and **Docker/Kubernetes** for containerization.

PUBLICATIONS

- Narvekar Meera, **Kansara Vidhi**, Harkare Vijay, "*Sakhi: An AI-Empowered Chatbot for Women's Health, Safety and Well-Being in Rural India*" at "*Modernizing Maternal Care with Digital Technologies*", IGI Global, 2024