

# Saket Nigam

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## PROFESSIONAL EXPERIENCE

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### Data & AI Associate Engineer | Smart Tech LLC

- Specialized in developing healthcare solutions using **Python**, machine learning, and **GenAI** to deliver accurate diagnoses and predictive analytics.
- Led the deployment of applications on **Microsoft Azure** with **Docker**, optimizing scalability and performance.
- Integrated **Databricks** for efficient data processing and model training.
- Built dynamic, responsive healthcare websites, enhancing user engagement and functionality.


### Frontend Developer | Foxus


- Specialized in creating user-friendly, responsive websites with a focus on enhancing user experience and visual appeal.
- Leveraged **React**, **CSS**, and **JavaScript** to build dynamic, interactive web applications.
- Ensured cross-browser compatibility and optimized designs for mobile responsiveness.

## CERTIFICATES


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**Databricks Certified Generative AI Engineer Associate**   
by Databricks

**Azure AI Engineer Associate**   
By Microsoft

**Zscaler Zero Trust Associate (ZTCA) Certification**   
By Zscaler Academy

**NVIDIA DLI Certificate**  
by NVADIA

**Networking to cyber Proffesional**   
by Zscaler Academy

**AWS Fundamental**  
by AWS

## EDUCATION

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### A.P.Shah Institute of Technology

2021 – 2024

B.E.

CGPA:9.03

Relevant Coursework: Java Lab, Python Lab, Operating Systems, Object Oriented Programming, Cloud Computing, Data Structure & Algorithm, Computer Networks, Database Management, System Design, Data Mining, Machine Learning, Applied Data Science, Big Data Analytics, Social Media Analytics, Machine Vision.

### A.P.Shah Institute of Technology

2023 – 2024

HONOURS in Artificial Intelligence and Machine Learning

70%

Relevant Coursework: Foundation of Machine learning, Game Theory, AI and ML for Healthcare

## PROJECTS

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### MED-AI

Technology: python, Langchain, chromaDB

- Developed an intuitive web application that offers real-time medical assistance through an AI-powered chatbot.
- Enabled users to ask health-related questions or upload medical reports for automated analysis using OCR.
- Designed the system to deliver accurate, personalized responses based on user input and medical data.
- Built using **Flask** for backend functionality, **LangChain** for natural language processing, **ChromaDB** for data retrieval, and **React.js** for a user-friendly interface.

### Discern

Technology: Python

- Designed an AI system using **Convolutional Neural Networks (CNN)** to reduce noise in chest X-ray images, improving clarity for accurate diagnoses.
- Applied advanced filtering techniques to minimize noise and enhance diagnostic quality.
- Trained models to identify health conditions from improved X-ray images, streamlining the diagnostic process and improving patient care outcomes.

### Cube

Technology: React, Nodejs, CSS, Express, Firebase

- Designed a chat application to streamline communication in educational settings using a Design Thinking approach.
- Improved user experience by categorizing messages into notices, study materials, and events for better organization.

- Integrated Firebase for secure and efficient data storage.

## SKILLS

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**Programming Languages:**  
C++, Python, C

**Libraries/Frameworks:**  
Javascript, React, LangChain, LlamaIndex

**Frontend**  
HTML, CSS

**Tools / Platforms:**  
Microsoft Azure Services, Databricks Services, OpenAI, Vector Databases, Docker, GIT, GitHub

## ACHIVEMENT

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**First Runnerup Machinenight held by TechBrain**

**Hackathon winner held by Smarttech LLC**

**Campus Executive IIT Bombay**

## ORGANIZATIONS

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### **Smarttech LLC**

*Smart AI Hackathon*

- Led and organized the **Smart AI Hackathon**, sponsored by **SmartTech LLC**, coordinating teams, managing logistics, and fostering innovation through real-world AI challenges.
- Demonstrated strong leadership by mentoring participants, ensuring smooth execution, and creating a collaborative environment for skill development.