

# NIKHILA S

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## INTRODUCTION

Aspiring AI engineer with a strong foundation in machine learning, natural language processing, and full-stack development, dedicated to building scalable, user-centric intelligent applications that solve real-world problems.

## EDUCATION

**Vidyavardhaka College of Engineering**

B.E in Information Science and Engineering(CGPA:8.99/10.0)

Dec-2022 -April-2026

Mysore, Karnataka

## EXPERIENCE

**Deloitte Australia Virtual Internship Technology Job Simulation-Remote**

Nov 2024 – Dec 2024

- Worked on emerging tech like AI and ML ,Collaborated with virtual teams to solve business challenges and present tech-driven solutions

**IBM SkillsBuild Summer Internship (AI/ML)-Remote**

June 2024 – July 2024

- Developed advanced chatbots and ML models using IBM Watsonx and Watson Assistant.

**AR-VR Instructor-Mysore**

February 2025– current

- Taught Unity development for AR/VR applications to students in college, fostering hands-on skills and creativity in immersive technology.

## PROJECTS

**Real-Time Safety Compliance Object Detection- [Link](#)**

- Developed a Streamlit app using YOLOv8 to detect helmets and vests on workers in construction site images.Combined AI and computer vision for real-time compliance scoring, with support for image uploads and webcam input

**Academic Paper Finder - [Link](#)**

[Live Preview](#)

- Developed a Flask-based research paper search engine using the arXiv API for real-time academic paper retrieval.
- Applied NLTK preprocessing and semantic ranking with TF-IDF and cosine similarity to improve results

**AI-Powered Code Reviewer - [Link](#)**

- Built a web app integrating Google Gemini 2.0 flash to review and suggest improvements for user-submitted code. Designed REST APIs and Enhanced UX with a clean React frontend and secure backend API handling.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript,Java,C++,C#

**Technologies and Frameworks:** Next.js, React.js, Express.js, Node.js, WebSockets, Prisma PostgreSQL , Appwrite, Clerk Authentication, Web3.js\

**Networking & Security:**

TCP/IP, UDP, HTTP, HTTPS, FTP, SMTP, POP3,, Proxy, Reverse Proxy, URL Filtering, tcpdump

## LANGUAGES KNOWN

- English,Kannada,Hindi,Japanese(N5)

## VOLUNTEERING WORK

- Volunteer at U&I NGO for Children – Support and mentor children in learning English and life skills.

## CERTIFICATIONS

- Google cybersecurity Professional Certification
- Blockchain Specialization Coursera ,University at buffalo

## ACHIEVEMENTS

Coordinated the Srishti Club at college, organizing events like plantation drives and sustainability initiatives.

## SOFTSKILLS

Team Player,Adaptability, Problem-Solving, Time Management, Communication.