NIKHILA S

Linkedin Github Twitter/X Gmail Portfolio

INTRODUCTION

Aspiring software engineer with a strong interest 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   *Dec-2022 - Present*
B.E in Information Science and Engineering(CGPA:9.02/10.0)   *Mysore, Karnataka*

EXPERIENCE

IBM SkillsBuild Summer Internship (AI-ML)-_Remote_   June 2024 – July 2024
- Developed advanced chatbots and ML models using IBM Watsonx and Watson Assistant.

Deloitte Australia Virtual Internship Technology Job Simulation-_Remote_   Nov 2024 – Dec 2024
- Worked on ml projects and data visualization using tableau.

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

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.

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 impove results

TECHNICAL SKILLS

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

Frameworks and Libraries: Next.js, React.js, Express.js, Node.js, Web3.js, Numpy, Prisma

Technologies and Tools: PostgreSQL, WebSockets, Tableau, Docker, Jenkins, Git, Postman, PowerBI

LANGUAGES KNOWN

- English,Kannada,Hindi

VOLUNTEERING WORK

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

CERTIFICATIONS

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

ACHIEVEMENTS

- Shortlisted for Google's Agentic AI Hackathon (2025): Recognized for developing an agentic ai based solution to manage large crowded areas using Google AI tools
- Coordinated the Srishti Club at college, organizing events like plantation drives and sustainability initiatives.

SOFT SKILLS

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