Tarun Karnati

Student

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Career Objective

Aspiring Full Stack Developer with a strong foundation in Java, Spring Boot, and web technologies, aiming to build impactful and user-centric applications.Seeking opportunities to grow in a dynamic environment and contribute to innovative tech solutions.

Technical Skills

- Languages: C, Java, Python, JavaScript, HTML5, CSS3, SQL, Bash (basic)

- Frameworks/Tools: Spring Boot, Node.js (beginner), Git, GitHub

- Databases: MongoDB, MySQL

- Web Technologies: RESTful APIs, Responsive Design, DOM Manipulation

- Deployment: Netlify, Heroku (basic), Postman (API Testing)

- Concepts: Object-Oriented Programming (OOP), MVC Architecture, User Authentication, CRUD Operations, Data Filtering & Segmentation

Projects

PERKPAL – PERSONALIZED DISCOUNTS WEB APP
Full Stack Project | HTML, CSS, JavaScript, Spring Boot, MongoDB
- Built a full stack web app delivering targeted offers for students, seniors, LGBTQ+, and other communities.
- Created a responsive frontend using HTML, CSS, and JavaScript with interactive forms and validation.
- Built backend APIs using Spring Boot to handle user registration, login, and offer management.
- Used MongoDB to store user and offer data, allowing fast access and filtering.
- Applied logic to show community-specific discounts (e.g., for students, seniors, LGBTQ+) based on user input.

PUBLIC RELATIONSHIPS USING NLP AND ML
- Led a team of 4 in this project, utilizing NLP and ML to analyze sentiments from product reviews and enhance business insights into public opinion.
- Employed Logistic Regression and Naive Bayes classifiers to accurately interpret sentiments, providing valuable data for businesses to understand customer perceptions.

INTERNET OF THINGS USING RASPBERRYPI PICO
- Led a team of 4 in developing an IoT project focused on women's safety, designing a tracking and alert system using Raspberry Pi Pico.
- Executed a technology-driven solution to enhance personal safety, demonstrating commitment to social impact through innovative IoT applications.

Certificates

- DOCKER FOUNDATIONS PROFESSIONAL CERTIFICATE – LINKEDIN LEARNING & DOCKER ⧉

- CAREER ESSENTIALS IN SOFTWARE DEVELOPMENT BY MICROSOFT AND LINKEDIN ⧉

- AI FOR EVERYONE FROM COURSERA ⧉

- PCAP: PROGRAMMING ESSENTIALS IN PYTHON FROM CISCO ⧉

Education

2025 – 2026
TORONTO

INFORMATION TECHNOLOGY SOLUTIONS
HUMBER COLLEGE INSTITUTE OF TECHNOLOGY

2020 – 2024
INDIA

BACHELOR OF TECHNOLOGY
SRK INSTITUTE OF TECHNOLOGY
CGPA : 7.4

Achievements and Awards

DEAN'S HONOUR LIST – HUMBER COLLEGE ⇗
AWARDED FOR ACADEMIC EXCELLENCE IN SEMESTER 1 (2025)

Paper Publications

FABRIC DEFECT SEGMENTATION AND CLASSIFICATION USING DEEP CONVOLUTIONAL NEURAL NETWORKS
(DCNN) *(IPDIMS 2023, SPRINGER PUBLICATION)*

PUBLIC RELATIONSHIPS USING NLP AND MACHINE LEARNING
(IJIRT 2024)
Available at: http://ijcrt.org/viewfull.php?&p_id=IJCRT2405210 ⇗

Internships

AWS CLOUD VIRTUAL INTERNSHIP
Completed an internship on Cloud foundations and Architecture from Amazon Web Services provided by AICTE GOVT OF INDIA

DATA ANALYTICS VIRTUAL INTERSHIP
Completed an internship on Data Analytics from Amazon Web Services provided by AICTE GOVT OF INDIA

Workshops

INTERNET OF THINGS
Designed and implemented an IoT-based women's safety device with real-time tracking and alert features during a workshop, showcasing practical application of technology for personal security

TABLEAU
Participated in a Tableau workshop, gaining foundational knowledge and hands-on experience in data visualization and analysis, enhancing proficiency in transforming complex data into insightful visualizations.

POWERBI
I attended a PowerBI workshop, acquiring fundamental skills in data analysis and report creation. This knowledge enhances my data-driven decision-making abilities, benefiting future employers