Dharathi Venkatesh

A final-year Computer Science Engineering student at Kyungpook National University, Daegu, South Korea, with a strong passion for problem-solving and code building, eager to learn and apply the latest technologies to address real-world challenges.

Contact

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GitHub
https://github.com/dharathi

Education

2022 - 2023
Computer Science Engineering (2yrs)

Kyungpook National University, Daegu
South Korea

2019-2021
Computer Science Engineering (2yrs)

CHRIST (Deemed To Be) University,
Bangalore, India

Certifications

- Complete Python Bootcamp (Udemy - April 2021)
- Web Development (Internshala - May 2021)
- Android App Development (Internshala - November 2021)
- UI Design (Internshala - August 2022)

Languages

English
Kannada
Hindi
Korean (Beginner)

Internships

Jun 2023 - Present
Software Dependability Analysis Lab (Kyungpook National University)
Research Intern
Working on developing an AI model pipeline for software code vulnerability detection, employing Natural Language Processing (NLP) and Deep Learning techniques.

Jan 2023 - Feb 2023
Bosch Global Software Technologies
AI/ML Intern
Automated the mapping of a Requirements Database using Natural Language Processing (NLP) and Deep Learning.

May 2021
The Sparks Foundation
Web Development Intern
Developed and hosted a website for a Basic Banking System with database integration.

Strengths & Skills

- Strengths: Passionate Coding Enthusiast, Collaborative Team Player, Creative Problem Solver
- Proficient in Programming Languages: Python, Java, C

- Skilled in basics of Machine Learning, Deep Learning, and Natural Language Processing
- Data Science and Analysis: Proficient in data cleaning and analysis, with experience in using Pandas, Numpy, ScikitLearn, and Matplotlib libraries
- Version Control: Experienced in using Git for version control and access management.
- Web Development: Skilled in creating responsive web applications using HTML, CSS, Bootstrap and PHP
- Adept at UI design, harnessing Figma to craft user-friendly and visually appealing interfaces

Projects

June 2022
Data Analysis: Daegu Metro EDA
Conducted exploratory data analysis on Daegu Metro station usage data to understand passenger behavior.
GitHub link: https://github.com/dharathi/EDA-DaeguMetro

June 2023
VulBERTa Paper Analysis: Vulnerability Detection using Deep Learning
Analyzed the "VulBERTa" paper's outcomes on various datasets for vulnerability detection using deep learning.
GitHub link: https://github.com/dharathi/VulBERTa-reproduction

June 2023
Website for University Cafeteria Meal Coupon Generation
Co-created a website for university students to purchase meal coupons online, using HTML, CSS, and PHP.
Website link: https://testing-oswin.000webhostapp.com/

Current Work
LingoLearner: React Native application
Crafting a dynamic React Native application dedicated to multilingual alphabet learning.

DHARATHI VENKATESH

Self-introduction

Hello, I'm Dharathi Venkatesh, a final-year Computer Science Engineering student at Kyungpook National University in Daegu, South Korea. I've embarked on a fulfilling journey of education and discovery, deeply passionate about art, aesthetics, technology, and language.

Background:
I completed my earlier education in India, a journey that has shaped my profound appreciation for art, aesthetics, technology, and language. From an early age, I've been drawn to the beauty of art and design, the satisfaction of problem-solving, and the thrill of discovering patterns in the world around me. It's these experiences and interests that have fueled my passion for the creative and problem-solving aspects of technology.

Passion for Building:
One of the main reasons I chose to study computer science is my passion for building. There's something truly fascinating about crafting something from scratch, where lines of code become the brush strokes on the canvas of technology. It's where my love for art and aesthetics converges with my love for coding. The creative process of designing and developing beautiful applications from mere lines of code has always enthralled me.

Love for Coding and Problem-Solving:
Another reason I took up computer science is my love for coding. Since childhood, I've been captivated by the world of technology. I adored solving puzzles and finding patterns in everyday things. It's these experiences that kindled my passion for coding and ignited my fascination with technology.

Diverse Skill Set:
My experience spans web development, data science, machine learning, and app development. I have hands-on experience in web development, including HTML, CSS, and PHP, with a focus on building and hosting websites. In the realm of data science, I am proficient in data cleaning and analysis, using tools like Pandas, Numpy, ScikitLearn, and Matplotlib. My knowledge extends to machine learning, deep learning, and natural language processing (NLP).

Proficiency in Programming Languages:
I'm proficient in programming languages such as Java, Python, and C, with a strong foundation in coding logic. These languages serve as powerful tools for turning innovative ideas into reality.

Current Interest:
I'm deeply interested in app development and have completed a course on Android app development, gaining a foundational understanding of using Kotlin and XML to build Android apps. Currently, I'm actively working on a platform-independent application called "LingoLearner," aimed at helping users learn alphabets of different languages. I'm utilizing React Native for this project, combining my passion for coding with a focus on multilingual learning.

Research Internship:
In addition, I am currently working as a research intern at Kyungpook National University, where I'm involved in developing an AI model pipeline for software code vulnerability detection, employing Natural Language Processing (NLP) and Deep Learning techniques.

Hobbies:
Outside the world of technology, I have a variety of interests. I enjoy hiking, painting, traveling to new destinations, and delving into the world of literature through reading.

Future Aspirations:
As I approach the culmination of my academic journey, I eagerly anticipate the opportunities that lie ahead. My goal is to continue my pursuit of excellence in computer science, expanding my knowledge in app development, enhancing software security, and exploring the dynamic field of technology. I'm particularly excited to learn more about Artificial Intelligence (AI), Machine Learning (ML), and Natural Language Processing (NLP), as these areas hold the key to shaping the future of technology.

Thank you for taking a moment to get to know me better. I'm looking forward to the adventures and challenges that the future holds, where my diverse skill set, my love for coding, my passion for building, and my problem-solving abilities will continue to flourish.

GitHub/Portfolio link and QR:

https://github.com/dharathi