Arjun Karthikeya Nakka

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Education

Bachelor of Technology | VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, India | Aug 2019 - May 2023

- Major: Computer Science and Engineering
- CGPA: 8.60/10

Experience

Software Engineer(Full-Stack) | CHUBB, Hyderabad, India | Jun 2023 - Present

- Developed UI for the APIs of several services using Angular.
- Utilized Node, TypeScript, REST, and internal libraries to construct commands, resolvers, and services for new partners of countries with comprehensive functionality.

Technology Intern | CHUBB, Hyderabad, India | Sep 2022 - Jun 2023

- Working in a Full stack development team.
- Trained in tech stacks like Angular, NodeJS, MongoDB, and ExpressJS.

Data Analyst Intern | Indian Institute of Information Technology- Hyderabad (IIIT-H) | Mar 2022 – May 2022

- Worked on a National project, Indicwiki, to make Wikipedia multilingual.
- Performed web-scraping using Beautiful Soup and Selenium for data collection. Used Sweetviz library for Exploratory Data Analysis. Developed a Python bot that inputs structured data and generates the article based on the Jinja template.

Projects

Representational model for problem-solving

- Created a knowledge graph using web ontology language based on the survey of 100 college students that explored the relationship between critical thinking skills, knowledge, creativity, and language comprehension in problem-solving to recommend the best knowledge representation models for problem-solving.

Automobile Renting Web Application

- Created a full-stack web application using Angular and NodeJS that assists users in selecting and booking an automobile for temporary use. Users can search for automobiles that are available based on their features and sort them according to price and rating.

Sarcasm detection using Machine Learning

- Created an application that detects sarcasm in short text using GRU with Adam Optimizer and NLP pre-processing techniques.

Skills

- Programming Languages: C++, Java, Python, TypeScript
- Web Technologies: NodeJS, Angular, MongoDB, Express

Achievements

- Filed for a patent titled "Semantic knowledge base intelligent system for problem-solving skills enhancement."
- Published IEEE paper titled " How to Recommend the Best Representational Model for Problem-Solving."
- Published IEEE paper titled "A Novel Approach Applying CAR and STEM Concepts for School Children to Enhance their Cognitive Ability."
- IIITH Silver Star Certificate for Internship.
- ACM ICPC 2020 Regionalist.