EDULA VINAY KUMAR REDDY

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Education

Vellore Institute of Technology **July 2019 – May 2023**
B. Tech Computer Science Engineering *(CGPA: 9.41/10)*

BIIT Junior College **2019**
Board of Intermediate Education of Andhra Pradesh *(CGPA: 10/10)*

Bhashyam High School **2017**
Board of Secondary Education of Andhra Pradesh *(GPA: 9.7/10)*

Experience

Aravind Eye Care System **Jan 2023 – Present**
Software Engineer Intern

- Developing an AI-based device to identify patients and confirm the correct eye for surgery using Deep learning, image processing and EMR interaction via API, Raspberry pi4 to minimize wrong-sided surgery errors.

GeeksforGeeks **Oct 2021 – Present**
Technical Content Writer Intern

- Published 53 articles and improved nearly 1400 articles on GeeksforGeeks platform which are related to Python, Java, Machine Learning, Computer networks, Web Mining.

Evva Health **Nov 2022 – Dec 2022**
Web Development Intern

- Built web scraping scripts to extract data related to various medicines and medical services using Python-Selenium, bs4 and created a database to store the scraped data using MongoDB. Utilized AWS to deploy and maintain the application.

Projects

CoVinAI | *HTML, CSS, JavaScript, Microsoft Azure* **March 2022**

- Developed a web app using Azure cognitive services that allows users to communicate with a bot service regarding Covid-19 queries through a webchat interface also helps people to find covid relief services in their vicinity by retrieving the latest Twitter Tweets by performing search and filter based on parameters like city, requirements(plasma, beds..)
- Displays Total confirmed cases, count of recovered patients, death poll worldwide and also by country.

VIT Hostel Services | *HTML, CSS, PHP, JS, MySQL* **October 2021**

- It is a website made for my university. This project, VIT Hostel Services is an application software which is very helpful for the students who wants to access the services provided in the Hostel, Mess without any manual process there by saving lot of time and effort.

UmbrellaReminder | *Python* **January 2021**

- An Open-Source Python Package that scrapes weather data from web and sends umbrella reminders to specified email at specified time daily.If the weather condition is rainy or cloudy it will send you an "umbrella reminder" to your email for reminding you to pack an umbrella before leaving the house.Used web mining libraries like bs4 and requests in python to scrape weather information from Google.

Technical Skills

Programming languages: Python, Java [Institute coding rank 46/7500+ in GFG, 5 star coder at Hackerrank]
Web technologies: HTML, CSS, PHP, JavaScript, jQuery
Web Scraping: BeautifulSoup, Selenium
Database Management: MySQL, JDBC
Developer Tools: Github

Certifications

- **Microsoft Certified: Azure Data Fundamentals** | *Microsoft* **Jul 2022**
- **Microsoft Certified: Azure AI Fundamentals** | *Microsoft* **Jan 2021**

Publications

1. Edula Vinay Kumar Reddy, Kotha v v s Aakash. "A New Proposal of Smart Time Quantum for Round Robin Algorithm and Comparison with Existing Round Robin Variants," International Research Journal of Engineering and Technology (IRJET), vol. 8, no. 8, Aug 2021, pp. 1392-1398. e-ISSN: 2395-0056, p-ISSN: 2395-0072.

2. Edula Vinay Kumar Reddy, Kothamasu Karthik, Davuluri Aakash Nag, Amutha Prabakar M. "Automated Irrigation System using Internet of Things and Ensemble Learning," Quest Journals Journal of Software Engineering and Simulation, vol. 8, no. 4, 2022, pp. 08-21. ISSN(Online): 2321-3795, ISSN (Print): 2321-3809.

Achievements

- Finalist in 'My Applied Science Idea Contest 2023' by VIT University - Software Products Track.
- 2nd Rank in Technical Scripter Event 2022 - India's Biggest Technical Content Writing Contest with more than 6000+ authors participated.
- Received bounty and recognition for identifying a vulnerability in the article views counting system of GeeksforGeeks. (Reference ticket RI- 15419)
- Achiever Award 2021-2022 on the basis of exemplary performance at various National events representing VIT University.
- Cracked InfyTQ-2022 Advantage Round(A competitive coding challenge by Infosys). Received a PPI offer at Infosys.
- National Finalist(Top 10) in Idea Summit 2021 Organised by GeeksforGeeks.
- AWS Artificial Intelligence (AI) and Machine Learning (ML) Program Scholarship Recipient.

Leadership / Extracurricular

Microsoft   2022
Microsoft Learn Student Ambassador
- Part of community of students from all over the world who empower themselves and fellow students by learning new skills and building communities through organizing events, speaking at conferences and utilizing opportunities to gain experience and share my knowledge with others.

National Cadet Corps (NCC)   2015
Cadet
- Participated in various NCC activities, Demonstrated leadership, discipline, and teamwork skills through successful completion of NCC training and earning an 'A' certificate.

Courses

- Neural Networks and Deep Learning by DeepLearning.AI in Coursera(2023)
- Algorithmic Toolbox by UC San Diego in Coursera(2022)
- Python for Everybody - Specialization by University of Michigan in Coursera (2021)