

Nithya N Nagaraja

Software Engineer

Contact Details

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Github: <https://github.com/NithyaNN3>

Skills

- Python and related frameworks, Java and JavaFX
- SQL, PostgreSQL and MongoDB databases, AWS
- HTML, CSS, Javascript
- NLP and ML
- Security: Cybersecurity basics, network security, penetration testing and secure coding topics

Experience

Verloop.io / Software Development Engineer

OCT 2021 - JUNE, 2023

Worked with Django, Flask, Golang and GCP to construct, maintain and deploy chatbots at an enterprise scale. Improved efficiency of deployments on GCP. Built internal tooling to automate several tasks. Was responsible for product documentation, and hiring and mentoring of new SDEs. Awarded the Best Employee Award, FY-2023.

Bugs and Errors Studio / Freelance

MARCH 2021 - JUNE 2021, BENGALURU

Built a biomedical search engine for connecting pharmaceutical suppliers with customers using Elasticsearch, Flask and PostgreSQL.

Bewgle / NLP Intern

JULY 2019 - DECEMBER 2019, BENGALURU

Carried out various data pre-processing and parsing tasks on text corpus data using Advanced Python. Extracted insights of Customer behaviour using NER tasks performed by using methods like spaCy, PyTorch.

Education

RMIT University / Master's Degree - Information Technology

JULY 2023 - CURRENT, Melbourne

Peer mentor for IT Postgrads, Industry Events Officer for FIRE+ (Females in RMIT Engg), Creative Writing Officer at RMIT Catalyst magazine, 2024. Published articles in the RMIT Catalyst magazine.

BNM Institute of Technology / B.E. - Electrical and Electronics Engg

AUGUST 2016 - AUGUST 2020, Bangalore

Student Editor for the Physics and Electrical Engg newsletters within the college. Chair of IEEE BNMIT Chapter, organised hackathons, intra-collegiate events and talks. Founded The English Club and organised talks, debates and events at the college.

Projects

- Library management system using Django, AWS & PostgreSQL
- Shopping cart application using JavaFX, SQLite and JDBC
- Ticketing system for public transport using Python
- Property booking system using MongoDB, Express.js & Node.js
- Cybersecurity mini projects on sniffing & spoofing using Wireshark & scapy,, setting up a firewall with iptables, intrusion detection using Snort, OpenSSL, flawfinder, Information gathering with nmap & OSINT, Cross site scripting.
- Covid data project using SQLite: data cleaning, modelling, querying and visualization.