Nitheesh Kumar N

📞 (+91) 9677851538 ✉ nitheeshk03@gmail.com in Nitheesh Kumar 🌐 Portfolio

🏛 EDUCATION

Sri Sivasubramaniya Nadar College of Engineering   *Chennai, TN*
BE in Computer Science and Engineering   *Dec 2020 – May 2024*
  CGPA: 9.479/10

Achariya Bala Siksha Mandir   *Puducherry, PY*
Grade XII, Computer Science, CBSE   *Apr 2018 – Mar 2020*
  Score: 94.6%

💼 EXPERIENCE

Fidelity Investments   *Feb 2024 - Jun 2024*
Full Stack Engineer Intern
- Developed an adaptive recommendation system using AI/ML for an internal tool, enhancing user experience and engagement.
- Integrated the recommendation system with a web platform built on Angular, Flask, and PostgreSQL, ensuring seamless functionality.
- Created a CI/CD pipeline using Jenkins-core for deployment in an AKS cluster, streamlining development and deployment processes.

Fidelity Investments   *Jun 2023 - Aug 2023*
Software Developer Intern
- As a team of 2 interns in the QA team, developed a web application that focuses on "Externalizing the automation test data to cloud services", aiming to reduce the bulkiness of the repository by completely migrating the test data to AWS S3 buckets
- Worked to automate test cases for a new upcoming process flow in the company's existing solution using Selenium and TestNG test automation frameworks. Learnt how to map test scenarios to XRay in JIRA in order to validate test cases automatically from a Jenkins job periodically.

💻 PROJECTS AND PUBLICATIONS

Automatic Question Generation & Blooms Taxonomy Classifier | *Python, DL, NLP, React, Django*   *Final Year Project | Apr 2024*
- Engineered an NLP system with a web interface to automatically generate questions from text using T5 transformer, facilitating advanced content generation.
- Implemented a BERT-based classifier to categorize generated questions according to Bloom's Taxonomy, enhancing the accuracy of educational assessments and content organization.

Event Management System | *HTML, CSS, JS, Java Servlets, MySQL*   *Project | Mar 2023*
- An Internet-based application that helps users to book their preferred event in online mode. Meanwhile, the admins would be able to host and manage the events effectively and efficiently.
- This system can be used to automate the workflow of ticket purchase, ticket generation, and event organization.

ImageClef22 | *Python, ML, DL*   *Shared Task Conference | May 2022*
- Paper Title: Automated Classification of Lung Tuberculosis using 3D Deep Convolutional Neural Networks
- Worked as a Team to deploy 3D-CNN model to classify Tuberculosis based on CT scans with the dataset provided by AIcrowd. Working notes for the project was submitted as a paper.

Survey System | *JAVA, JFrame*   *Mini Project | Nov 2021*
- A survey system where a person can host a survey for which many users can poll in the same system and the results are shown as bar graph

☰ TECHNICAL SKILLS

Proficient in: Python, Java, HTML, CSS, JavaScript, JQuery, React, Angular, Node, Flask, MySQL, PostgreSQL, Selenium
Frameworks well-known: Bootstrap CSS, TestNG, TensorFlow, Scikit, Keras, PyTorch
Additional: C, C++, MongoDB, Spring Boot, AWS S3, Jenkins, Docker

⭐ AWARDS

NPTEL DISCIPLINE STAR : Recognized as discipline star in Computer Science and Engineering domain by NPTEL, Apr 2023
ACIDITY : 1st place in Database Management Systems based contest at National Level Symposium, Samhita'22 organised by MIT, Chennai. (Group event)