

RICHA ANILKUMAR YADAV

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BRIEF SUMMARY

I am a dedicated technology student with a passion for continuous learning and a strong knack for problem-solving. Familiar with C++ and Python, HTML/CSS/Javascript, and database tools such as MySQL and phpMyAdmin. Proficient in data visualization and analysis using matplotlib, numpy and pandas tools. Keen to apply these skills to advance technology and foster the development of beneficial projects in a fast-paced company.

SKILLS

Technical Skills	C, C++, Python, HTML, CSS, JavaScript, AWS
Databases	MySQL, phpMyAdmin, SQL Server
Data Visualisation	Matplotlib, Power BI
Coursework	Data Structures, Algorithms, Machine Learning, Data Mining, NLP, OOP, Agile methodology
Soft Skills	Problem Solving, Communication, Teamwork, Leadership, Attention to detail, Technical writing

INTERNSHIP

INS Valsura, Jamnagar

27 May 2024 - 12 July 2024

Full-Stack Developer Intern

Key Skills: Debugging | SQL Server Management Studio | Testing | Bootstrap | C#

- Implemented a web-based solution using C#, ASP.NET MVC 5, and a few LINQ queries to automate the navy's inspection procedures.
- Used SQL Server Management Studio (SSMS) for effective management of databases and real-time data.
- Improved the quality and reliability of inspections by shifting from traditional methods to digital solutions.
- Optimised access to and handling of the inspections with an enhanced user experience to improve supervision and feedback.

PROJECTS

Sign-language detection and conversion to text and speech | Team Size: 3 | [Project Link](#)

- Real-time sign language detection and conversion to text and speech thus empowering communication accessibility for the hearing-impaired community.
- **Technologies used:** Python, DL model (LSTM), Computer Vision, gtts

Stay Free - Mental Health Cure | Team Size: 6 | [Project Link](#)

- Crafted a robust mental health website's user interface using frontend technologies, while managing data and functionality with MySQL and PHP on the backend for an all-encompassing mental health solution.
- **Technologies used:** HTML, CSS, JavaScript, MySQL, phpMyAdmin

Potato Disease Classification | [Project Link](#)

- Developed a CNN-based model to detect potato plant diseases like late and early blight, improving crop management through accurate classification.
- **Technologies used:** Python, Deep Learning, cnn-classification

Cropland Classification | [Project Link](#)

- Compared the performance of SVM, CART, and Random Forest classifiers for cropland classification using high-resolution satellite imagery from Sentinel-2 and Landsat-8 over the Gujarat region, India.
- **Technologies used:** google earth engine, ML algorithms, Javascript, QGIS

Quiz Management System | Team Size: 3 | [Project Link](#)

- A comprehensive software solution designed to streamline the creation, administration, and evaluation of quizzes and assessments with back-end database in Oracle.
- **Technologies used:** Java, Netbeans IDE, Java Swing, JDBC

ACHIEVEMENTS

- Qualified the abstract shortlisting round and reached the finale round of ‘All India Women Only Hackathon - 2023’.
- Qualified regional level Smart India Hackathon’22 and selected to compete at the national level in India.

EDUCATION

Nirma University, Ahmedabad October 2021 - Present
B.Tech | Computer Science and Engineering

Green Valley High School, Vadodara March 2021
12th | CBSE | 85.80%

Gujarat Public School, Vadodara March 2019
10th | CBSE | 89.83%

POSITION OF RESPONSIBILITY

Executive in Augen Club of Nirma University

- Conceptualized and executed innovative design strategies for club events.
- Successfully hosted technical seminars, workshops, and other events.
- Hosted numerous events and hackathons.

Vaudeville Creative Committee’24 of Nirma University

- Designed posters and banners to boost event engagement.
- Led main decorations, creating a vibrant atmosphere.
- Resolved issues quickly and delivered work efficiently.

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations Issued on July 28, 2024

- Learned core AWS concepts, architecture, and security.
- Proficient in deploying AWS services and managing costs.

IBM certified Data Analysis with Python Issued on Dec 28, 2023

- Developed Python skills for data analysis and visualization using matplotlib.
- Learned how to employ statistics in analysing patterns in data sets.

CO-CURRICULAR ACTIVITIES

- Led hackathons, showcasing problem-solving skills.
- Competed in coding competitions.
- Completed accredited courses to enhance technical knowledge and expertise.