

Varun Anand

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SKILLS

Programming: C, Java, JavaScript, Python, R, Assembly

Web and Database: HTML, CSS, MySQL, PostgreSQL.

Frameworks and Libraries: ReactJS, NodeJS, spaCy, Bootstrap, Flask, NumPy, Pandas.

Tech: Git, Unix, Docker, AWS, Ansible, Kubernetes.

EDUCATION

Trinity College Dublin

Dublin, Ireland

B.A. Moderatorship Honors Bachelor's Degree in Computer Science

Expected Graduation, May 2025

- o **Related Coursework:** Advanced Data Structures & Algorithms, Agile Software Development, Functional Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Operating Systems.

EXPERIENCE

Dell Technologies

Dublin, Ireland

Software Engineering Project ([GitHub](#))

Jan 2023 – May 2023

- Engineered a **Machine Learning Named Entity Recognition (NER) Model** tuned to DELL data to recognize important entities within customer support textual logs such as person names, addresses, technical and non-technical issues.
- Leveraged open-source NER models (**SpaCy, Flair**), advanced **NLP** techniques including **Deep Learning** and trained the model on proprietary DELL data to recognize key entities specific to DELL's customer service environment.
- Reduced manual entity identification time by **33%**, increasing the efficiency of DELL customer support.
- Analyzed **500+ Software Requirements** monthly and collaborated with other engineers within an **Agile Development Environment** to manage project workflow.

Liferay International

Dublin, Ireland

Software Engineering Project

Jan 2024 – May 2024

- Designed and developed a **Student Job Portal** using **HTML, CSS, SpringMVC, LiferayDXP and JavaScript** aimed at streamlining recruitment with dynamic profile matching and real time notifications.
- Led the **Front End Dev Team** and developed responsive UI/UX components and integrating features on Liferay DXP using **Javascript, CSS, HTML, ReactJS and SpringMVC** ensuring seamless user experience and project delivery.
- Mentored a team of five second-year students in best web development practices within a collaborative and **Agile Framework**, fostering a proactive learning environment.

Trinity School of Computer Science and Statistics

Dublin, Ireland

Laboratory Demonstrator

Sep 2023 – Jan 2024

- Collaborated closely with the professor and fellow demonstrators in the lab to facilitate learning for first-year students. Led two one-hour sessions weekly on **Algorithms and Data Structures**, ensuring effective knowledge transfer and hands-on practice.
- Assisted students in grasping course-related concepts, graded assignments and resolved issues during lab sessions.

PROJECTS

Personal Portfolio Website (React)

Dublin, Ireland

Programmer ([GitHub](#))

Jan 2023 – May 2023

- Developed a dynamic and responsive **personal portfolio website** to showcase my projects and skills.
- Utilized **React** for building reusable components and ensuring a seamless user experience. Implemented interactive animations and transitions using Framer Motion to enhance user engagement.
- Employed HTML and CSS for structure and styling, ensuring **cross-browser compatibility** and **mobile responsiveness**.
- Designed a modern UI with clean code and an emphasis on responsive design for optimal performance across devices.

Bus Notifier App

Dublin, Ireland

Backend Programmer ([GitHub](#))

Jan 2023 – May 2023

- Developed a **Real-Time Notification System for Bus Arrivals**, implemented backend logic using **Java** and **Spring Boot**, leveraged **Docker** to run the database.
- Implemented **VAPID keys and JWT signing** for secure communication, providing testing keys for setup ease.
- Used **Dockerized Postgres** for efficient data management, simplifying the deployment process for database-related tasks.

ACTIVITIES AND LEADERSHIP

Dublin University Computer Science Society (DUCCS)

Dublin, Ireland

Committee Member

Sept 2021 - Present

- Demonstrated strong leadership skills in organizing and managing cultural events and spearheaded event planning.