

# VARUN ANAND

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## Education

### Trinity College Dublin

B.A. Moderatorship Honors in Computer Science

Dublin, Ireland

Expected Graduation: June 2025

## Work Experience

### Liferay International

Jan 2024 – May 2024

Student Software Engineer

Dublin, Ireland

- Designed and developed a **Student Job Portal** using **Java**, **Spring MVC**, and **Liferay DXP**, streamlining recruitment for over **50** companies and reducing average recruitment time by **25%**.
- Led a Front-End Development Team of **4** members, creating **15** responsive **UI/UX** components and mentoring junior developers in best practices within an **Agile framework**.
- Implemented **Java**-based backend modules in **Liferay DXP** using **Spring MVC** to create custom **REST endpoints**, enhancing data retrieval speed by **20%** and improving system scalability for **50+** client companies.

### Dell Technologies

Jan 2023 – May 2023

Student Software Engineer

Dublin, Ireland

- Developed a custom **Named Entity Recognition (NER)** model using **Python** libraries **SpaCy** and **Flair**, processing over **10,000** Dell support logs with **92%** accuracy.
- Automated support query categorization using **Python** scripts, reducing manual processing time by **33%**.
- Leveraged the **ChatGPT API** to automatically generate synthetic data for testing purposes.
- Collaborated with a cross-functional team of **10** members across **4 Agile sprints**, utilizing **GitHub** and **Jira** for task management.

## Projects

### BurnoutBot (HackIreland 2025) | [Source Code](#)

Node.js | Slack Bolt | Firebase | GPT-4 | Google Cloud

- Built an **AI Slack Bot** with **Node.js**, **Slack Bolt**, **Google Calendar**, **Firebase**, and **GPT-4** to detect meeting overload and schedule breaks. Reduced conflicts by **30%** via real-time burnout alerts and automated scheduling.
- Developed **RESTful APIs** and automated scheduling algorithms, deploying with **Google Cloud Functions** and **Firebase**. Improved efficiency by **20%** through AI-driven workload management and **CI/CD** automation.

### Enigma: A Financial SaaS Platform | [Source Code](#)

Next.js | React.js | TypeScript | AWS EC2

- Developed a **cloud-based financial SaaS platform** enabling real-time transaction display and fund transfers across multiple bank accounts.
- Implemented **RESTful APIs** with **Node.js** and **TypeScript**, integrating **Plaid** and **Dwolla**, ensuring scalability and secure SSR authentication on **AWS EC2**.

### Dynamic Flight Pricing Engine | [Source Code](#)

Python (Flask) | React.js | PostgreSQL | scikit-learn

- Designed a dynamic pricing engine for Ryanair flights using **Flask** and predictive models which projected a **10%** increase in revenue.
- Developed **Linear Regression** and **Decision Trees** models with **95%** accuracy, handling up to **1,000** requests/minute via **RESTful APIs**.

## Leadership

### Assistant Child Protection Officer, Voluntary Tuition Program | Trinity College Dublin

Sep 2024 – Present

- Collaborated with **volunteers and coordinators** to deliver effective tutoring sessions, enhancing student engagement and outcomes.
- Managed and maintained **program documentation**, ensuring accuracy and compliance with **safeguarding policies**.

## Technical Skills

**Languages:** Java, Python, JavaScript, C++, SQL

**Developer Tools:** AWS (Certified Cloud Practitioner), Docker, Kubernetes, Git, Jira

**Libraries/Frameworks:** ReactJS, NodeJS, Spring Boot, Flask, GraphQL, JUnit, Liferay DXP

**Databases:** MySQL, PostgreSQL, Oracle

## Certifications

### Amazon Web Services

AWS Certified Cloud Practitioner | [View Certificate](#)

Dublin, Ireland

Dec 2024 – Present