# Kanishkumar K

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## Professional Experience

**Calibraint Technologies**                                                                                          **Chennai, India**
*JavaScript and NodeJS Backend Intern*                                                                    *Jul 2024 – Aug 2024*

- Developed an Express backend with MySQL, implementing **JWT and Passport authentication**.
- Set up a **cron job** for **database backups** and an eTicket generation with email notifications.
- **Dockerized the application** for compatibility and executed comprehensive unit testing with Jest on over 50+ critical functions within the application

**Trillion Thoughts Technologies**                                                                               **Chennai, India**
*Software Engineer Intern*                                                                                           *Feb 2024 – Apr 2024*

- Developed a full-stack website using **React** for the frontend, implementing **JWT** authentication for secure access.
- Built a **Django REST Framework** backend to interface with a **MySQL** database for efficient data management.
- Standardized UI with MUI, cutting design inconsistencies by 25% and improved user experience.

## Major Projects

**Cyberbullying Detection and Prevention in Twitter Clone |** *Tech Stack: Django, MySQL.*

- Developed a **twitter clone app** using Django, integrating a proactive cyberbullying detection system.
- The detection system employs a **Random Forest classifier** and **BERT** based to identify instances of cyberbullying based on keywords and context with an accuracy of **91.7% F1 score.**

**Rentify – Web App to Buy and Sell Properties |** *Tech Stack: Django, React JS, MySQL, Material UI, Email JS.*

- Developed a full-stack rental application that allows users to buy or sell properties online, integrating Email JS for email notifications and JWT for authentication with a support over 100+ users.

## Certifications

- **Agile Methodology** Virtual Experience Program | Forage
- Problem Solving through Programming in C | NPTEL - **IIT Kharagpur** |**Elite with Silver credentials**
- Honors Diploma in Computer Applications (**HDCA**) | **Grade: A**
- Google Cloud Computing Foundations (GCCF) |Google |**15+ badges**
  https://www.cloudskillsboost.google/public_profiles/2dda0661-17a1-4aaa-9128-670fe8de91c2

## Technical Skills

- **Programming Languages:** JavaScript, Python, C
- **Frontend Development:** HTML, CSS, React.js, Bootstrap, Tailwind, Material-UI
- **Backend Development:** Node.js, Express.js, Django, Django REST Framework
- **Databases:** MySql, MongoDB, Redis
- **Version Control & Collaboration:** Git, GitHub
- **Other Tools/ Technologies:** Docker, GraphQL, RESTful API, Postman, Firebase, Jest

## Soft Skills

- Team Work and Collaboration, Effective Communication

## Achievements and Paper Presentation

- Built a platform to donate items in Makeathon competition conducted by Open Weaver and **won 3rd place**.
- **Finalist in Survey Sparrow Hackathon, competing against 30 teams** in AI based solution for surveying**.**
- Presented research paper on Keezhadi excavation findings using machine learning approaches (Support Vector Machine) at the **International Paper Presentation** (INSES) **and 3 other conferences**.

## Education

***Loyola-ICAM College of Engineering and Technology***                                                   Chennai, India
Bachelor of Engineering, Computer Science, CGPA: 9.01 /10                                    *Graduated in Jun 2024*

***Santhome Higher Secondary School***                                                                          Chennai, India
12th Percentage: **92%**, 10th Percentage: **97.4%**