Damil Imran

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- www.linkedin.com/in/damil-imran-8ab66a300
- https://drmil7129.github.io (Website)

PROFILE

Computer science student with an eagerness to learn new technologies and gain experience to prepare for a role in machine learning. Gained hands-on front-end development experience through collaborative work with a team of software engineers, developing teamwork skills and proficiency in JavaScript and HTML. Achieved 30% faster page loading time and predicted 200 more monthly organic clicks on the website. Acquired in-depth knowledge of full-stack development, machine learning algorithms and data analysis methods through academic studies and personal projects. Proficient in Java, Python, C and SQL, with strong problem-solving abilities developed both through education and coding challenges completed in free time.

SKILLS

- **Problem solving/Analytical skills** - Used problem solving and analytical skills to identify problems and generate solutions in over 20 projects.
- **Machine learning** - Utilised machine learning skills with Weka to create an A.I model that identifies a cat's breed with an 85% accuracy.
- **Team coordination** - Worked in teams of up to 8 software developers using tools such as Github to share code and coordinate work within teams.
- **Java,Postgres**- Utilised skills in Java and Postgres to create a back-end server to manage a database with 4 tables and 100s of entries while protecting against SQL injections.
- **Agile development -** Successfully carried out agile practices such as scrum sprints and kanban cards to keep teamwork organised and achieve 100% deadlines met on all work.
- **Linux** - Used proficiency in Linux to set up virtual machines to test memory leaks in C programs.
- **Python** - Developed timetabling app that generated school timetables based on the number of classes, students and teachers given, generated and emailed images to students/teachers.
- **Azure -** Used Azure VMs in a CI/CD pipeline to store Docker images and deploy applications to users and leveraging user feedback to improve the app, increasing user satisfaction by 30%.

PROJECTS & PROFESSIONAL EXPERIENCE

Software Developer, Tausi App   *(August 2024 – September 2024)*

Achievements and responsibilities:

- Collaborated with a team of front-end developers to design and implement 3 new features to a user-friendly, highly engaging React app in a month's time span.
- Implemented a new 30% faster login system in JavaScript within a team of software engineers, integrating Formik for input validation, Firebase for user authentication, Redux for token management, and custom CSS style sheets for an engaging user interface that was predicting 200 more monthly organic clicks.
- Developed components that use RTK queries to fetch data from an API and display it to the user.
- Utilised collaborative tools like Slack, Jira, Git, Kanban boards and GitHub to streamline communication, manage tasks, contribute to ongoing issues and ensure an 100% on-time project delivery rate.
- Managed 3+ projects simultaneously, prioritising tasks while still maintaining high standards of quality.

Full project portfolio on https://drmil7129.github.io

Cat identifier - https://github.com/Drmil7129/kitty_cat_identifier

Project details:
- Developed an image processing website that utilises machine learning algorithms to classify cat breeds from user-uploaded images, optimising the model for an average 85% accuracy and performance across 70 cat breeds.
- Prepared the front-end using React, TypeScript and HTML, ensuring a responsive user-interface.
- Created the back-end server with Java and Spring Boot, enabling efficient handling of data processing and front-end HTTP requests with a total classification time of 1.5 seconds.
- Designed and implemented data filtering and machine learning models using Weka, leveraging a J48 decision tree algorithm for breed classification, training the model on over 126,000 images of cats.
- Utilised Github for seamless source control, managing 10 commits to ensure each version of the application is accessible.

Speed-mates team project - https://github.com/uob-team-project/team24

Project details:
- Developed a full-stack website that includes Jhipster, Angular, TypeScript, and Java to create a house mate matching site.
- Utilised CI/CD pipelines with github runners and Azure virtual machines to allow easy deployment and integration testing, allowing us to incorporate user feedback into our work, increasing the number of satisfied users by 10s each iteration.
- Written 100s of vigorous tests to assess the performance and error handling of the application, to foolproof against any user input.
- Leveraged Agile workflows with the use of Kanban cards to accelerate workflow and achieve 100% deadlines met in good time.
- Managed a Postgres database with 50 tables and 100s of entries, implemented user input validation, hashing and encryption for a secure database.

Assistant Engineer, Hi-Tec Security, West Midlands   *(September 2020 – Present)*

Achievements and responsibilities:
- Collaborated with a team to successfully install complete alarm and CCTV systems within an 8-hour time frame, ensuring timely and efficient execution.
- Managed and organized stock inventory every week to ensure efficient workflow and seamless operations
- Configured DVR systems for each installation to ensure proper display and monitoring of camera feeds
- Provided daily face-to-face customer support, addressing inquiries and guiding clients through the setup and use of security systems, resulting in improved customer satisfaction
- Worked with the lead engineer to troubleshoot and resolve issues in existing security systems, identifying problems from previous installations and providing tailored solutions or alternatives to meet customer security needs

EDUCATION

University of Birmingham
(September 2023 - June 2028)
Working towards a first class Computer Science M.Sci. degree

Dudley Sixth Form
(September 2021 – June 2023)
3 A-levels**:**
- Mathematics - A*
- Computer Science - A
- Physics - A

George Salter Academy
(September 2016 – June 2021)
10 GCSEs, including Maths and English

REFERENCES

References are available upon request.