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**Mohammed Ziyen**  
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## WORK EXPERIENCE

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### Csquare Technologies

January 2023 – April 2023

*Web Developer Trainee*

- Designed and developed over 15 web pages optimized to be printed, reducing paper waste by 20%.
- Spearheaded and integrated front-end and back-end functionalities for a Gem and Jewellery website, resulting in enhanced user experience and seamless navigation.
- Implemented new features such as a sorting option for the products page and the customer inquiry page, increasing customer satisfaction by 30% and sales by 15%.
- Customized multiple ERP systems for diverse companies, introducing new features such as inventory management, and reporting, improving operational efficiency by 25% and reducing errors by 10%.

## EDUCATION

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### Solent University

April 2023 – April 2024 (Reading)

*BSc (Hons) Software Engineering*

*Southampton, UK*

- Currently pursuing the top-up degree at BCAS Campus.
- Modules: Machine Learning, Data Science, DevOps, Industrial Consulting Project, Dissertation Project.

### BCAS City Campus

February 2021 – September 2022

*HND in Computing (Software Engineering)*

*Colombo, LK*

- Passed successfully with 13 distinctions.
- Relevant modules: Algorithms and Data Structures, Advanced Programming, Business Intelligence, Computing Research Project
- Cultivated teamwork skills and honed presentation abilities.

### Zahira College

July 2018 – November 2020

*G.C.E. Advanced Level*

*Colombo, LK*

- Physical Science stream.
- Completed Successfully with 3 S passes.
- Engaged in the Science Society of Zahira College.

### Mukarramah International School

January 2005 – December 2017

*G.C.E. Ordinary Level*

*Colombo, LK*

- Completed Successfully with 8As and 1B.
- Senior Co-ordinating prefect for over two years.

## SKILLS

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**Programming Languages:** Python, PHP, Java, MySQL, JavaScript

**Frameworks:** Django, Laravel, Flask, Bootstrap, jQuery

**Tools:** Microsoft Azure, MS Office, Figma, GitHub, Jira, GitLab, Terraform, Power BI, Tableau

**Soft Skills:** Teamwork, Leadership, Presentation, Communication

**Domain Knowledge:** Machine Learning, Data Science, DevOps, Web Development, Android Development

## PROJECTS

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### Stock Prediction Application | GitHub: [Link](#)

- A Django app created with a fine tuned Machine Learning Model to predict stock prices. A highly interactive user interface with advanced error handling.
- Achieved an accuracy of 97% with a tuned hybrid model.
- Predicted stock prices for 50 top companies across different regions and sectors.

### Calculator App (DevOps Project) | GitHub: [Link](#)

- A Calculator web application that was engineered following best DevOps practices to demonstrate a good understanding of CI/CD pipelines and workflow automation.
- Docker was used to containerize the application.
- Automated unit tests and Azure resources with GitHub actions and Terraform, improving code quality and reliability by 20% and reducing deployment time by 50%.

### Heart Disease Prediction System | GitFront: [Link](#)

- Achieved 77% of accuracy when predicting heart diseases with certain health indicators.
- Includes visualizations, preprocessing and advanced analyzation of the data.

### ToDoList App | GitHub: [Link](#)

- A ToDoList web app built using Laravel to demonstrate an understanding of basic CRUD operations. Bootstrap was utilized for styling and MySQL for database.

### Virtual Examination Center | GitHub: [Link](#)

- Engineered a PHP web application enabling teachers to create and administer tests with a user management system.

### Theatre POS system | GitHub: [Link](#)

- A POS system that can be implemented in theatres to issue tickets and manage schedule.
- A pure Java application with a MySQL database.

### Agricultural Auction System | GitHub: [Link](#)

- Built the Java application for efficient auctions between farmers and other stakeholders.
- Intricately designed using Figma.

## REFERENCES

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**Tuan Anis Saboordeen**

*BCAS Campus*

- Phone: +94776476798
- Email: [anis@bcas.lk](mailto:anis@bcas.lk)

Head - School of Computing, Senior Lecturer

**Shakir Moulana**

*BCAS Campus*

- Email: [shakirm@bcas.lk](mailto:shakirm@bcas.lk)

Top up Coordinator, Lecturer