

# Ali Dashti

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**GitHub:** [github.com/ali1373107](https://github.com/ali1373107)

**Portfolio:** <https://ali-dashti-portfolio.netlify.app/>

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A motivated and adaptable individual, passionate about continuous learning, innovation, and problem-solving.

My desire to pursue these interests led me to step into AI for Engineering, where I can pursue my dreams and stay relevant in the tech industry.

Having hands-on experience working with dynamic teams and effective teamwork during my studies, I have built strong communication and collaboration skills, as I believe these factors are the key to individual and organizational growth.

## Education

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### Master, University of Bath, Artificial Intelligence for Engineering and Design:

*(September 2024 – Current)*

- **Wide-ranging topics:** Exploing artificial intelligence, machine learning, deep learning, big data, the Internet of Things, digital twins, automation, process control, cyber security, and new digital ways of working.
- **Research skills:** work with academics at Univercity of Bath to complete an individual research project, where students apply their knowledge to a challenge or development opportunity.

### Bachelor of Science in Software Engineering, Southampton Solent University:

*(September 2020 – June 2024)*

- Developed strong problem-solving and critical thinking skills through collaborative team projects. Gained proficiency in full-stack development, including JavaScript, HTML, CSS, Java, Python, and backend technologies such as SQLite, PostgreSQL, MongoDB, and Firebase.
  - My Journey Footprint is a web application designed to help users calculate their carbon emissions based on their travel information. The application was developed as part of a university Industrial Consulting Project, where I collaborated with university colleagues to bring this idea to life. GithubURL: (<https://github.com/tomstrong64/MyJourneyFootprint-COM617>)
- Acquired a deep understanding of **Machine Learning, Artificial Intelligence** and Gained experience with key machine learning frameworks like **TensorFlow** and

**Scikit-learn**, working on projects involving **supervised learning**, **unsupervised learning**, and **neural networks**.

- Developed an application using machine learning algorithms in Python to predict stock market prices, utilizing real-time data from Yahoo Finance. The system allows users to explore and analyze stock trends. Github URL: (<https://github.com/ali1373107/SolentFINTECH/blob/master/main.py>)
- Hands-on experience with Agile methodologies, waterfall working in teams to deliver high-quality software projects.

## Foundation Year in Computing, Southampton Solent University

(September 2019– June 2020)

Acquired essential skills in computer science, including proficiency in programming languages such as HTML, CSS, and Python.

## Employment History

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### **Omidex, Finland-Remote — Full Stack Developer** (March 2023 – October 2023)

- **Web Application Development:** Collaborated with cross-functional teams to design, develop and test robust web applications using React.js, HTML, CSS, and Node.js. Contributed to back-end and front-end development lifecycle, to gain deeper insight of how different components of the web application interacts and essential need for protecting the data.
- **Collaboration and Teamwork:** Actively engaged with team meetings, sessions and sprints, fostering a collaborative environment that encourages the sharing of ideas and feedback. Worked closely with senior and experienced developers to enhance problem-solving and technical skills and improving teamwork and collaboration skills.

## Key Skills

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- **Programming Languages:** Python, MATLAB, jupyter, Excel, Java, JavaScript, React.js, Next.js, Node.js, Machine Learning, Deep Learning
- **Technologies:** Azure, Docker, SQLite, PostgreSQL, MongoDB, Firebase, GitHub, Figma
- **Development Practices:** Agile, Waterfall, DevOps, Problem-Solving, Adaptability, Critical Thinking

## Training and Certification

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### **Full Stack Development, CodeYourFuture, London:** (June 2022 - September 2023)

- Completed an intensive course focused on modern web development technologies, including JavaScript, React.js, HTML, CSS, and PostgreSQL, SQL.
- Enhanced collaboration skills through team projects, where we built applications using modern frameworks, improving my proficiency in both front-end and back-end development.