

## Harshpreet Kaur

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| GitHub: <https://github.com/Harshpreetkaur98> | Portfolio: <https://harshpreetkaur98.github.io/Portfolio/>

### TECHNICAL SKILLS

**Programming:** Java, Python, JavaScript, HTML/CSS, PHP, C#, SQL, Node.js, React.js, Vite.js, Next.js, Vue.js, AWS, DevOps, AI/ML  
**Tools:** IntelliJ, PyCharm, Eclipse, AWS, Jupyter Notebooks, Git, Bootstrap, Agile, Figma, Vercel, Azure, Postman, Trello

### SOFT SKILLS

Communication, Problem-Solving, Team Collaboration, Adaptability, Time Management, Leadership, Work Ethic, Customer Service, Innovative, Focused, Reasonable, Dedicated, Organised

### EDUCATION

#### University of Greenwich

London, UK

BSc in Computing

Expected Graduation, May 2025

- **Grade:** First Class in 1<sup>st</sup>, 2<sup>nd</sup> year
- **Related Coursework:** Machine Learning, Objects & Design, Computer Organization & Programming, AI, OOPS

### EXPERIENCE

#### Co-Founder & Software Developer

Adventroz (<https://adventroz.com/>)

May 2024 – Present

- Co-founded and managed the company, including marketing, user acquisitions, and advertising to drive brand awareness and growth.
- Developed a dynamic full-stack city exploration web application using React, enabling users to discover and explore global destinations seamlessly.
- Implemented advanced state management and navigation, utilizing React hooks and state to ensure smooth transitions and intuitive user interactions.

#### IT Service Desk Analyst

University of Greenwich

London, UK

May 2024 – Present

- Providing comprehensive support for hardware and software systems, focusing on fault diagnosis, installation, and configuration across various platforms.
- Work collaboratively and proactively within IT support team to enhance service quality and proactively resolve technical issues to improve customer satisfaction.

#### Software Engineering Fellow

Headstarter AI

July 2024 – Sept 2024

- Delivered and deployed 5 AI-driven projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, implementing agile practices with CI/CD practices for iterative development and deployment.
- Designed and launched a personal portfolio website using React.js, Node.js to showcase technical expertise.
- Collaborated with a team to develop a course generator platform, integrating multiple technologies for a scalable solution.

### PROJECTS

#### Healthcare-Assistant (<https://github.com/Harshpreetkaur98/Healthcare-Assistant>)

Oct 2024 – Dec 2024

- Designed and trained a Random Forest model on 1k+ patient records, reducing non-emergency hospital visits by 20%.
- Developed an NLP-powered chatbot using Flask.js, React.js and Vite.js, improving care decisions for 70% of users.
- Created a patient-friendly system that interprets diverse, unstructured symptom inputs, enhancing user accessibility.
- Implemented iterative user testing, refining the interface to achieve a 95% positive usability rating.

#### Insurify AI (<https://github.com/Harshpreetkaur98/InsurifyAI>)

London, UK

Team Member, AI Summit London 2024 Hackathon

June 2024

- Developed an AI-driven system for calculating insurance premiums for Defined Benefit Pension Schemes, automating the analysis of employee data and risk factors from Pension Transfer Risk (PTR) documents.
- Built and integrated three AI agents (Extraction, Rule Generator, and Recommendations) to process pension data, generate Python scripts, for calculations, and estimate premiums using a mathematical model.
- Delivered a scalable, automated solution that reduces manual effort and enhances premium accuracy, integrated into a web server with real-time API for premium cost estimation.

### ACTIVITIES AND LEADERSHIP

#### Greenwich Student Union, Women in STEM Society

London, UK

Vice President (Organising Events, Technical workshops, Hackathons)

May 2024 - Present

Secured 2<sup>nd</sup> place in the AWS Party Rock Hackathon (Held at the University of Greenwich)

January 2025