Harshpreet Kaur

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EDUCATION

University of Greenwich   London, UK
Bachelor of Computing   *Sept. 2022 – August 2025*

Sri Guru Nanak Public School   Delhi, India
High School GPA: 8.3   *Sept. 2019 – July 2022*

EXPERIENCE

Software Engineering Fellow   July 2024 – Present
Headstarter AI

- Developed 5 unique AI projects, with a final challenge to secure 1000 waitlist sign-ups, 1000 new accounts, or generate $1000 in revenue.

Software Developer   May 2024 – Present
Adventroz

- Developed a dynamic city exploration full-stack web application using React, enabling users to discover and explore various global destinations seamlessly
- Leveraged OpenAI API for real-time generation, enhancing user engagement with real-time, AI-driven content
- Implemented advanced state management and navigation, utilizing React hooks and state to ensure smooth transitions and intuitive user interactions.

Desktop Engineer   May 2024 – Present
University of Greenwich   *London, UK*

- Providing support for hardware and software maintenance of existing systems, including fault diagnosis , installation , and configuration of various operating systems.
- Providing IT support within general teaching spaces and computer laboratories during live lectures and classes.
- Responsible for ensuring that all equipment and facilities are in proper order, and addressing any issues that may arise during opening and closing duties.

PROJECTS

Adventroz | *React.js, Node.js, MySQL, OPENAI API, Git*   May 2024 – Present

- Developed a comprehensive travel planning platform using React and Node.js
- Utilized React for the frontend to create a dynamic and responsive user interface, and Node.js for the backend to handle server-side logic and API integrations.
- Managed user data, travel destinations, and itinerary plans efficiently with MySQL, ensuring high performance and reliability.
- Integrated AI capabilities to generate real-time descriptions and travel recommendations, enhancing user experience and engagement on the platform.

InsurifyAI | *Python, React.js, uAgents, OPENAI API*   June 2024

- Developed an AI-powered application to assess Defined Benefit Pension Schemes.
- Implemented an extraction agent to parse and analyze key information from pension documents, including age, tenure, and post-mortem benefits.
- Utilized a large language model to generate Python scripts for pension cost estimation, automating the process with employee data and saving outputs for detailed analysis.
- Created a mathematical model to evaluate risk factors and determine insurance premium plans, considering variables like life expectancy, health risks, and inflation.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL (Postgres), JavaScript, HTML/CSS, PHP
Frameworks: React, Node.js, Express.js, Vue.js, React.js, JUnit, WordPress, FastAPI
Developer Tools: Git, VS Code, IntelliJ, PyCharm, Eclipse, GitHub, Azure DevOps, npm, pip, AWS, GCP, MongoDB
Libraries: jQuery, Axios, PyTorch, FastAPI, JUnit, ASP.NET core, pytest, pandas