

FARHAN G. KERIWALA

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EDUCATION

Bachelors in Science with Honours - Computer Science Queen Mary University of London <ul style="list-style-type: none">Concentrations: Object Oriented Programming, Web Programming, Deep Learning, Probability Theory, Networks, Security Engineering, Formal LanguagesRelated Courseworks: Final Year Project, Django Web App, Java Swing Game, Portfolio, COOL Compiler, CIFAR Classification	Expected Graduation Jul 2025 Expected Grade: First Class Sep 2020 - Jun 2022 Final Grades: A*, A, A, A
GCE Advance Level (A-Levels) Hazelwick School Sixth Form <ul style="list-style-type: none">Subjects: Mathematics, Further Mathematics, Computer Science and Physics.	

TECHNICAL EXPERIENCE

Virtual Developer Experience - Accenture UK <ul style="list-style-type: none">Completed the Developer and Technology Job Simulation where I developed an end-to-end understanding of SDLCs.Created and delivered a compelling presentation analysing and comparing software methodologies.	Jan 2024 - Apr 2024 Certification ID: sBu2vRfPjg9Gw5hma
Virtual Internship - Amazon Web Services (AWS) <ul style="list-style-type: none">Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.	Feb 2024 Certification ID: sBu2vRfPjg9Gw5hma
Virtual Software Internship - Goldman Sachs <ul style="list-style-type: none">Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.Wrote a memo for my supervisor summarising a range of proposed uplifts to increase the company's level of password protection, including extending minimum password length and using a dedicated hashing algorithm.	Dec 2023 Certification ID: AvGmxNqk3HCTid66Q
Web Development Job Simulation - Moreton Bay Regional Council <ul style="list-style-type: none">Completed a job simulation involving website planning and creation.Created a sitemap and user-flow using a diagram creation tool and HTML & CSS to create a landing page.	Mar 2023 - Apr 2023 Certification ID: LHLcf2KjB6bdnpfoo

WORK EXPERIENCE

Lab Demonstrator (Teaching Assistant) - Queen Mary University of London, EECS <ul style="list-style-type: none">In my role as an EECS Lab Demonstrator (TA) for Computer Science, I played an integral role in guiding and supporting students through various lab assignments and coursework projects.	Sep 2024 - Apr 2025
Sales Associate - Sunglass Hut Luxottica <ul style="list-style-type: none">As a Sales Associate at Luxottica, an international eyewear leader, I consistently surpassed sales targets by leveraging strong interpersonal skills and in-depth product knowledge.I enhanced customer experiences through personalised eyewear solutions and promoted lasting client relationships.	Jul 2022 - Oct 2024

PROJECTS

Final Year Project <ul style="list-style-type: none">Developed predictive stock price ML models using historical financial data and sentiment analysis, incorporating advanced feature engineering and machine learning techniques.Implemented and compared regression models to evaluate the impact of sentiment data on predictive accuracy, utilizing metrics like MAE and R².Automated data preprocessing pipeline for stock and sentiment data integration, including web scraping, natural language processing, and time-series alignment. Technologies: Python, PyTorch, Matplotlib, Git	Aug 2024 - May 2025
SnapCast - Loom Clone <ul style="list-style-type: none">Full-stack web application enabling seamless screen recording, secure video uploads, and intelligent transcript generationPowered by Next.js, Tailwind, Xata, Drizzle and Arcjet Technologies: Next.JS, Xata, Bunny, TailwindCSS, BetterAuth	May 2025
PrepWise - AI Job Interview Platform <ul style="list-style-type: none">A job interview preparation platform powered by Vapi AI Voice agents and Google Gemini.Prepwise is a website using Next.js, Firebase, TailwindCSS, and Vapi's voice agents to help with job interview preparation. Technologies: Next.JS, Firebase, Google Gemini, TailwindCSS, Vapi AI, Zod	Apr 2025
Hobby Social Network Web App <ul style="list-style-type: none">A social media app developed for hobbyists, spearheaded a team through an agile development life cycle.Full stack application with custom Django user models, authentication and reactive design for all features using Vue Router and AJAX requests. Technologies: Python, Django, Vue, PostgreSQL, Pinia, Selenium, Tailwind CSS	Nov 2024 - Jan 2025
CIFAR-10 Classification Network <ul style="list-style-type: none">A custom neural network architecture with convolutional and expert branchesPerformance: 85.73% validation accuracy and 95% overall project mark. Technologies: Python, PyTorch, Machine Learning, Neural Networks, Deep Learning	Mar 2025 - Apr 2025
StoreIt - Google Drive Clone <ul style="list-style-type: none">Storage Management and File Sharing Platform to simplify file storage, organisation, and sharing.The platform offers secure user authentication, file uploads, management, sharing, and a dynamic dashboard with global search and sorting options. It has a modern, responsive design. Technologies: Next JS, TypeScript, Appwrite, SQL, Tailwind CSS	Jan 2025
Blockadoku - Java Swing Game <ul style="list-style-type: none">A Tetris-like game with Java, Gradle, and Java Swing skills is being developed.The game includes features like grid cells, sprite drag and drop, palette display, ghost piece, poppable highlighting, scoring, and game over detection. Technologies: Java, Java Swing, Gradle	Sep 2024 - Dec 2024
LiveDocs - Real-Time Document Editor Application <ul style="list-style-type: none">Collaborative text editor where multiple users can edit the same document simultaneously with real-time updates.Users can add inline and general comments, with threading for discussions with notifications of document shares, new comments, and collaborator activities. Technologies: Next.js, TypeScript, TailwindCSS, GoogleAuth, LiveBlocks, Clerk, Sentry	Aug 2024
CarePulse - Next.JS Patient Management System <ul style="list-style-type: none">A platform that streamlines patient registration, appointment scheduling, and medical records, using complex forms and SMS notifications.Users can upload and store files securely using Appwrite storage services and Sentry monitors and tracks performance and detects any errors. Technologies: Next.JS, Twilio, TypeScript, TailwindCSS	Jul 2024

ADDITIONAL INFORMATION

- Languages: English, Hindi, Gujarati, Urdu, Arabic (Limited Proficiency)
- Programming Languages: Python (Proficient), Java (Proficient), JavaScript/TypeScript (Intermediate), React JS (Intermediate), C (Beginner)
- Courses/Certifications: Java Master Class by Tim Buchalka (ongoing)