

LASIYA PRIYAN

26 YEARS OLD, SOFTWARE ENGINEER

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OPEN

LOOKING FOR A POSITION

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Grounded and solution-oriented software engineer specializing in automation and testing, with a passion for IT and continuous learning to solve end-user problems. Experienced in automation and web development, significantly contributing to front-end development of AI and threat intelligence applications. Skilled in AI prompting for LLMs and developing RAG (Retrieval-Augmented Generation) systems to enhance information retrieval and model performance. Experienced with cloud technologies, including AWS build deployments, and certified as an Azure Administrator (AZ-104). Hands-on experience with CI/CD pipelines using Jenkins and containerization with Docker. Diverse skill set includes UI/UX design (Figma, Adobe XD), programming languages (Python - Django, FastAPI, OpenAI, Selenium; Java, PHP), and web frameworks (ReactJS/React-Native, NestJS, GraphQL), along with database expertise (PostgreSQL). Proficient at Windows and Linux environments.



EDUCATION

2019 - 2022

DEGREE IN COMPUTER SCIENCE

MANAGEMENT & SCIENCE UNIVERSITY

 Dean's list Award
(3 Consecutive Semesters)

2016 - 2018

DIPLOMA IN COMPUTER FORENSICS

MANAGEMENT & SCIENCE UNIVERSITY

 3.76 CGPA MUET
BAND 4

 Dean's list Award
(4 Consecutive Semesters)

 Silver Medal for Diploma
Final Year Project
(EduAR : Augmented Reality based
E-Learning App)



WORK EXPERIENCE

JULY 2022 - CURRENT

Software Engineer (Web Development / Automation) - BAE Systems

- Designed and executed end-to-end tests to be integrated into Continuous Integration and Deployment pipeline, improving application reliability
- Improved web page load times on Django back-end by 45 - 60 % using Redis caching and consolidating React query calls.
- Produced metrics for API load and browser performance testing using k6, monitored metrics with Grafana, and worked with TimescaleDB for efficient time-series data management.
- Created dynamic front-end interfaces using React and Material UI, with efficient data fetching and manipulation using GraphQL.
- Resolved over 40 front-end bugs in 6 months and enhanced user experience of website.
- Wrote scripts in bash that helped automate the creation/deletion of Databases on Kubernetes clusters.

AUGUST 2021 - FEBRUARY 2022

Web Developer Intern - LAVA X TECHNOLOGIES

- Implemented mobile app and web page UI components in React and React Native using Ant Design for 2 different e-commerce applications.
- Produced responsive, cross-platform front-end styling for e-commerce web pages using Tailwind CSS, according to Figma mockup.
- Created developer-facing documentation using markdown language and project handover decks for clients.
- Performed debugging for NestJS back-end database APIs using Insomnia, Postman and PgAdmin with GraphQL queries.



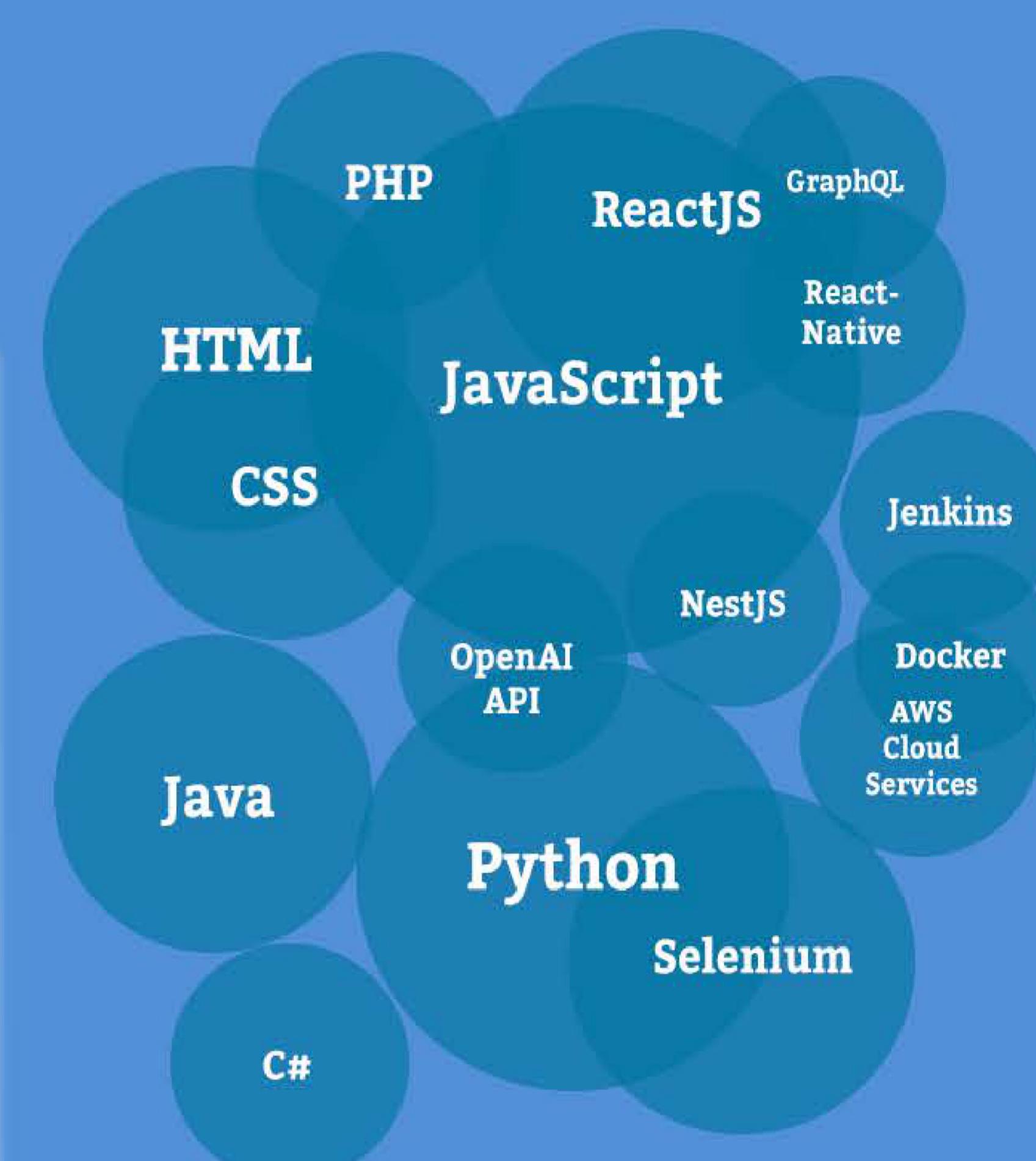
PERSONAL PROJECTS

- Knowledge Worker RAG - An expert question-answering agent for employee use with some mock user data, prioritizing accuracy and cost-effectiveness. Utilized Retrieval-Augmented Generation (RAG) and Vector Embeddings with LangChain ensure high accuracy in responses.
- Developed a FastAPI-based Resume Optimizer API utilizing Natural Language Processing to analyze and compare resumes with job descriptions. The API supports CORS and is to be used by recruitment platforms to assist job seekers, providing targeted feedback and increasing users' chances of securing job interviews.
- Created a micro-SaaS app with React and OpenAI models to convert unstructured data into a structured JSON format based on a provided schema.
- Developed an application using React and OpenAI models to summarize YouTube video content into blog posts.
- Built an AI-powered company brochure generator using Google's Gemini model, which scrapes websites for information and generates promotional content.
- Movie recommendation system data science project using Netflix dataset with Pandas and SciPy.
- BreachAR - Native Android App using Kotlin, Unity3D, Vuforia API and C# as Final Year Project that helps monitor social distancing using Bluetooth contact tracing and Augmented Reality distance measurements.

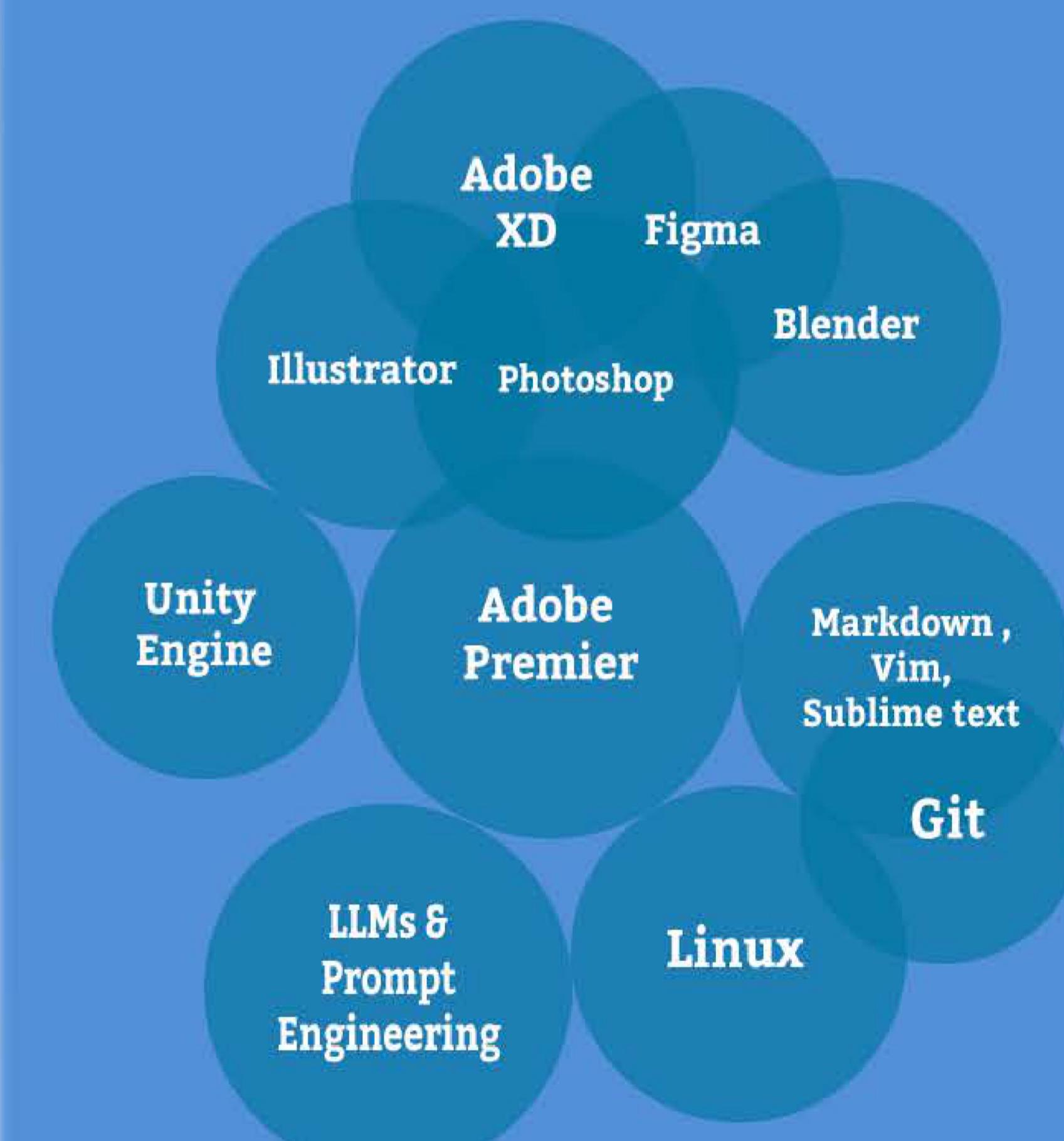


SKILLS

- PROGRAMMING & TOOLS -



- MISCELLANEOUS SKILLS -



LANGUAGES

✓ English

read, written & spoken

✓ Bahasa Malaysia

read, written & spoken

✓ Tamil

read, written & spoken