Abdarrahman Ayyaz

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Results-driven Software Engineer skilled in multiple programming languages including Python, Java, and the MERN stack. Experienced in developing web applications, implementing machine learning models, and employing Agile methodologies. Proven track record in collaborative settings, striving to enhance software functionality and user experience.

EDUCATION

San Francisco State University   *B.S. in Computer Science*

- Dean's List / Genentech-PINC Scholarship Recipient / Data Science and ML Certificate / 3.7 GPA
  Relevant Coursework: Data Structures and Algorithms, Web Development, Software Engineering, and Operating Systems

SKILLS

- Python, Java, C++, Html, CSS, JavaScript, Git, GitHub, Linux, MySQL, NodeJS, ML, MacOS, Docker, Data Structures, AWS, GCP, OCI, CI/CD,DevOps, AI, Jira, Algorithms, Flexible

PROJECTS

Founder and Lead Developer of Triage AI (React, TypeScript, PostgreSQL)   **February 2025**

- Identified a need for an AI-driven solution to streamline technical support processes for users seeking efficient issue resolution
- Designed and developed a web application utilizing React with TypeScript, Node.js with Express, and PostgreSQL. Integrated Firebase authentication for secure user access and implemented a real-time chat system featuring AI-generated responses, context tracking, and sentiment analysis
- Successfully assisted over 100 users in resolving their technical issues, leading to improved user satisfaction and more efficient support workflows

Predicting Binding Sequences in the Genome(Python, Google Collab, Keras.io, ML)   **July 2024**

- Developed and implemented machine learning models to predict transcription factor binding sites in DNA sequences
- Visualized data for exploratory data analysis with Python and key libraries (pandas, plotly, seaborn)
- Achieved high accuracy of 93% by addressing overfitting challenges through hyperparameter tuning and model experimentation with Convolutional Neural Network(CNN) models

Developing Social Media Web App (HTML, CSS, JavaScript, NodeJS, MySQL)   **January 2023**

- Developed a web application that allows users to register, sign in, and post images with descriptions. Manage user data through MySQL
- Utilized HTML, CSS, JavaScript, NodeJS, and MySQL to develop the web application and fetch API to fetch data. Conducted research on best practices for web application development and utilized Git for version control
- Tested the web application and presented it to over 300 individuals, receiving positive feedback on its functionality and user experience

WORK EXPERIENCE

Technical Support Engineer (Oracle)   **June 2024 – Present**

- Assisted developers from enterprise clients in debugging and resolving front-end and back-end issues across JavaScript, Java, and REST APIs
- Supported customers in configuring CI/CD pipelines, developing and deploying web applications utilizing Oracle Cloud Developer Tools
- Collaborated with product and engineering teams to identify root causes of complex technical issues and improve platform reliability
- Created internal tools and documentation to streamline technical triage and enhance the debugging process

Software Engineering Intern (Kay Systems)   **June 2023 – September 2023**

- Contributed to the development and enhancement of full-stack web applications using the MERN stack(MongoDB, Express, React.js, Node.js) and Java, focusing on feature design and implementation
- Collaborated with a cross-functional, 6-person international team to deliver scalable solutions in an Agile environment
- Participated in daily stand-ups, sprint planning, and retrospectives to optimize team performance and ensure timely project delivery

Pre-Apprenticeship Trainee (Dev/Mission)   **Feb 2023 – May 2023**

- Enhanced technical skills through 140 hours of IT Fundamentals training, covering hardware, software, OS, and IoT applications