

Hameed Shaik

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EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

Bachelor of Science in Computer Science | Minor: Data Science Engineering

June 2025

- **Relevant Coursework:** Data Structures, Algorithms and Complexity, Operating System Principles, Software Construction, Discrete Structures, Introduction to Data Mining, Introduction to Artificial Intelligence

WORK EXPERIENCE

Software Engineering Intern

Los Angeles, CA

Daily Bruin

Aug. 2023 - Present

- Achieved 30% unauthorized access reduction by authenticating 300+ users via MERN stack identity management service
- Crafted GrapesJS components, boosting content creation by 40% for 5 editors, reducing weekly publishing time by 10 hours
- Developed dynamic flatpages with React for 7 special-edition stories, resulting in a 25% increase in user engagement

Software Engineering Intern

Dublin, CA

Prepaze

May 2023 - Aug. 2023

- Implemented Redux/React Context API, boosting data synchronization efficiency by 20% across components
- Performed 50+ intricate SQL queries and optimizations for student profiles, schedules, assignments, and test results storage
- Achieved a notable 20% reduction in system latency during peak usage, significantly enhancing overall performance
- Utilized GoLang for 100+ daily user subscriptions, broadcasting 20+ monthly notifications to 10,000+ users via WebSocket

Computer Science/Math Tutor

Dublin, CA

Ace Academy

June 2022 - Sept. 2023

- Mentored 40+ students in the AP Calculus AB/BC curriculum by creating personalized practice sheets over 10 weeks
- Developed a concise 6-week Computer Science curriculum for 40+ participants, teaching Java, C++, SQL, and Python
- Engineered 10+ tailored Python performance improvement prediction models using past data to forecast specific areas of student improvement, achieving a remarkable 53% score increase over 4 months

PROJECTS

Dog Breed Classification | Python, Tensorflow 2.x/Hub, Keras, Numpy, Pandas, Matplotlib

May 2023 - Aug. 2023

- Utilized 6 machine learning models for multi-image classification, enhancing dog recognition platform efficiency
- Trained the model on 9,000 images and validated on a 1,000-image dataset; employed a confusion matrix to assess accuracy
- Implemented the MobileNetV2 model from TensorFlow Hub for visual recognition and designed a neural network to identify patterns and project probabilities for 120 dog breeds using softmax activation

Heart Disease Model | Python, Numpy, Pandas, Matplotlib, Scikit-Learn

June 2023 - July 2023

- Developed a Heart-Disease ML Model to classify whether a patient may have Heart Disease from their Medical History
- Optimized the model using RandomizedSearchCV and GridSearchCV techniques, bolstering evaluation through cross-validation and key metrics like ROC curve, AUC score, and F1-score
- Attained 89% accuracy using Logistic Regression, after testing K-Nearest Neighbours and Random Forest models

Interlinkd | Node.js, Javascript, Socket.io, MongoDB, Mongoose, HTML/CSS

Aug. 2022 - Apr. 2023

- Built real-time full-stack social media using Pug, Node.js, and JavaScript with Socket.io for seamless user engagement
- Used MongoDB and Mongoose, ensuring efficient data retrieval and manipulation for features like user authentication, profile management, and algorithmic feed ordering
- Integrated MongoDB and Mongoose for data management, ensuring efficient user authentication and dynamic feed ordering

FaceSync | React, Node.js, PostgreSQL, Express, Javascript, HTML/CSS, Git, API

Sept. 2022 - Feb. 2023

- Engineered a full-stack website with React.js featuring real-time facial recognition using Clarifai API
- Utilized PostgreSQL and Knex.js for efficient database management, user authentication, and user-specific URL counters
- Adopted as a flagship project by Creative Labs at UCLA; added persistent login for enhanced user experience and security

TECHNICAL SKILLS

Languages: Javascript, Python, C++, C, HTML/CSS, Java, MATLAB, R, Shell Script

Frameworks/Databases: React, Node.js, Pandas, Tensorflow, Express.js, Kafka, Keras, Apache Spark, MongoDB, SQL, Django

Tools: Git, Linux, AWS, Docker, Kubernetes, Netlify, Jira