AbdulBaseer Mohammed   
  
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Linkedin   
  
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SOFTWARE ENGINEER   
  
PROFILE   
  
As a software engineer with a strong passion for software development and practical experience in developing software applications, I am pursuing a Master of Computer Science degree. I have a demonstrated history of leading four software development projects following the Software Development Lifecycle (SDLC) from inception to completion, utilizing my strong foundation in Data Structures, Algorithms, and object-oriented design methodologies using programming languages such as Java, Python, C++, JavaScript, Node/React, and others. Additionally, I possess expertise in various databases such as MySQL, Oracle SQL, No-SQL, AWS RDS, DynamoDB, and MongoDB, as well as tools and technologies such as AWS Cloud, GIT, Github, Jupyter Notebook, Visual Studio Code, Docker, NPM, and SDLCCI/CD.   
  
EDUCATION   
  
Master of Science - Computer Science – University of Kansas, Lawrence, KS (December 2023) Ongoing   
  
● GPA: 3.9/4.0   
  
● Selected Coursework: [Information Retrieval, Analysis of Algorithms, Distributed Applications, Machine Learning (ML)]   
  
Bachelor of Engineering – Computer Science – Osmania University, Hyderabad, India (May 2021)   
  
● GPA: 7.0/10.0   
  
● Selected Coursework: [Data Structures, object-oriented programming (oop), Software Engineering, Web Programming, DBMS]   
  
SKILLS   
  
Programming Languages: Python, C++, Java, Node.js, Express, React.js, JavaScript, HTML, CSS, Flask, Pytorch   
  
Database: MySQL - relational database - Rdbms, Oracle SQL, AWS RDS, MongoDB - NOSQL, AWS DynamoDB, PL/SQL   
  
Tools and Technologies: AWS Cloud, GIT, Github, Jupyter Notebook, Tableau, Docker, NPM, Postman, SDLCCI/CD   
  
PROFESSIONAL EXPERIENCE   
  
Software Developer, University of Kansas, Lawrence, KS   
  
January 2023 – present   
  
● Architect and implement full-stack web features in JavaScript MERN Stack (MySQL) following Agile methodology.   
  
● Designing Relations in MySQL Database (RDBMS) and migrating existing databases to AWS RDS.   
  
● Implement AWS Lambda functions to connect, store and map data in S3 from MySQL RDS.   
  
● Build well-designed, reusable UI components using React.js, HTML, CSS.   
  
● Re-engineering and optimizing backend using Node.js, Express.js to build RESTful API.   
  
Teaching Assistant, University of Kansas, Lawrence, KS   
  
August 2022 – December 2022   
  
● Leverage in-depth proficiency in JavaScript to assist with EECS 368 (Programming Paradigms) while providing practical insight into innumerable aspects of modern programming languages that led to 70% better outcomes.   
  
● Perform all aspects of instructor duties, including explaining programming assignments, reviewing Code, and conducting help sessions with 100% accuracy.   
  
Data Analyst-Intern, Enshrine Global System, Hyderabad, India   
  
January 2020 – April 2020   
  
● Extracted, pre-processed, and analyzed 10Gb data using SQL, Tableau and Python with the aim of formulating and building detailed reports while enabling senior leadership with decision-making.   
  
● Built 4 machine learning models by operating Sklearn (Python) and pytorch to predict the value of quantity based on new data items.   
  
Coding Instructor-Intern, Camp K12, Hyderabad, India   
  
May 2020 – October 2020   
  
● Simplified fundamentals of programming to offer an easy mental framework for dealing with all programming languages while explaining with real-life examples.   
  
● Improved efficiency by 100% by rendering support to around 60 students with problem-solving in Python and JavaScript React.   
  
PROJECTS   
  
Full-Stack Job Portal, Lawrence, KS   
  
November 2022   
  
● Used modern programming languages node.js, express, and MongoDB as a database to create REST API (api) for job listings.   
  
● Advanced frontend by using 3 of known programming languages such as Html, CSS, and React.   
  
● Implemented manual JWT authentication and social login by utilizing GCP Auth.   
  
Search Engine, University of Kansas, Lawrence, KS   
  
May 2022   
  
● Designed and created a search engine from scratch to easily carry out web searches by writing ranking algorithms in Python.   
  
● Compiled and deployed search engine on the web using flask. For backend and used Reactjs for search UI.   
  
Lowest Cab Fare Pricing Model, Osmania University, Hyderabad, India   
  
May 2021   
  
● Scaled data for model development by using feature engineering techniques and 5 Python libraries including Numpy and Pandas.   
  
● Brainstormed, formulated, and validated different model development ideas, and developed software using pickle and flask.   
  
Note: Tailored according to the job description: https://www.amazon.jobs/en/jobs/2354170/software-development-engineer