Abdul Baseer Mohammed  
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SUMMARY  
  
Highly motivated software engineer currently pursuing a Master of Computer Science degree with a passion for software development and hands-on experience in developing software prototypes, documenting software releases, testing new software applications, and processing/analyzing data. Strong fundamentals of Data Structures Algorithms, object-oriented design methodology using Java, Python, Javascript, C++, Oracle SQL, MySQL, and No-SQL. Demonstrated history of steering 4 software development projects following Software Development Lifecycle (SDLC) from inception to completion.  
  
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, Flask, C++, Java, Node.js, Express, React.js, JavaScript, HTML, CSS, Cilk(Multithreading).  
Database: MySQL-relational database-Rdbms, Oracle SQL, AWS RDS, MongoDB-NOSQL, AWS DynamoDB, PL/SQL.  
Tools and Technologies: AWS Cloud, GIT, Github, Jupyter Notebook, Visual Studio Code, Docker, NPM, AI, SDLC, CI/CD.  
  
PROFESSIONAL EXPERIENCE  
  
Software Developer Web, 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.  
● Built a niche crawler and wrote ranking algorithms in Python.  
● Compiled and deployed search engine on web using flask 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: This resume is tailored according to the job description of Software Development Engineer at Amazon.