Md Altamash Software Developer

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SKILLS

- **Programming Languages:** C++, Java, Python, SQL
- **Libraries and Frameworks:** Spring Boot, Flask, React Js, NextJs
- **Tools:** Tableau, SQL Server, ms excel, version control, Data Analysis, postman
- **Other Skills:** problem solving, Agile Methodologies, Software Development (Full Stack), Quick learner, Project Management

EXPERIENCE

Software Development Engineer (Backend)   Aug 2024 - Present
Atx learning

- Designed and implemented a team management dashboard using Laravel, MySQL, Python, Flask, and JSON. enhancing productivity for 200+ employees by saving an hour daily.
- Developed Drone Management System using NextJs. Used Python to analyze the Inputs and predict Results based on the Ml Models. This Saves the manual work by 50%.
- Created an appointment management system featuring an AI chatbot and voice calling agent, streamlining scheduling processes nationwide. used Flask vapi and twilio, zapier

Assistant Professor (Research and Software Development)   Oct 2023 - May 2024
Lovely Professional University

- Implemented **Data Structures and algorithms** to enhance learning.
- Designed and developed an Attendance Solution app using **Java, Spring Boot, and JPA, benefiting 2000 teachers.**
- Developed an Examination Seating Management system in **Java, impacting 28000** students with randomized seating and unique student codes.

Data Analyst   Jan 2023 - Oct 2023
life gen bio

- Managed and wrote queries, handling large datasets using **SQL and MySQL**, improving data retrieval efficiency.
- Developed dashboards in **Tableau** and automated analysis processes, increasing **data visualization** and decision-making speed.
- Collaborated with the team to implement actions based on analysis insights, improving team efficiency.
- Identified KPIs and managed critical points, leading to a focused approach and improved performance tracking.
- Utilized statistical tools to analyze data patterns and trends, enhancing data-driven decision-making.
- Generated **charts, graphs, and dashboards** to visually present findings, aiding in clear communication of insights.
- Produced detailed reports and summaries for stakeholders, facilitating informed decision-making.
- Applied machine learning algorithms to predict future trends, enabling proactive decision-making the model saved 10% of the daily work.

programmer analyst   Oct 2021 - Dec 2022
Cognizant

- Implemented **deep learning models** with **TensorFlow for NLP applications**, enhancing text analysis accuracy by 15%.
- Executed end-to-end from n-gram generation to model deployment in UAT environment, streamlining the process by 20%.
- Developed backend for report generation using **SQL Server(ssms)**.
- Used **Python** to change the **confidence score** based on **ngrams.**
- Developed Java Applications and worked on backend using **JDBC**.
- Implemented DryRuns of Systems and debugged the codes using java.
- implemented Ui-path orchestrator to keep logs in check and communicate with business monthly report of the run.
- implemented **code fixes** in case of any issue using Java.
- Developed auto Password reset Software using Ui path for the clients that saved more than **20 manual hours per month.**

Data Analyst   Mar 2021 - Apr 2021
The Sparks Foundation

- Implemented supervised machine learning algorithms in **Python with Pandas, Keras, and Nump**y to predict commodity prices, saving time and improving accuracy.
- Developed interactive charts in **Tableau** using **SQL** and raw database data, reducing manual data collection and chart creation time by over 4 hours daily.

Data Analyst   Jun 2018 - Jun 2019
DPMI

- Created data adapters for different data sources to streamline **data integration** processes.
- Conducted exploratory and targeted **data analyses, visualized data**, and identified correlations to drive strategic decision-making.
- Implemented and deployed data-driven models using **Python**, resulting in a 20% increase in prediction accuracy.
- Evaluated and reported on key metrics, contributing to a 25% increase in overall performance.
- Designed and implemented automated KPI dashboards, enhancing **data visibility** and providing actionable insights at scale.
- Championed continuous data quality improvement by identifying and resolving data discrepancies, resulting in a 30% reduction in data errors.
- Recommended and implemented enhancements to existing data-collection methodologies, improving data accuracy by 20%.

software intern May 2017 - Jun 2017

Tata Technologies

- Developed Order Management System using Java reducing order processing time by 20%.
- Streamlined order management processes at Tata Motors, resulting in a 20% reduction in order processing time.

PROJECTS

Splitwise(To Manage Expenses between Friends)

🔗 https://github.com/ALTAMASH3322/Splitwise

- Implemented the **Backend Application of Splitwise** where a user can create Groups orc add Direct expenses in the Application such that The expenses are managed and kept track of This project can impact **1000 's** of people
- Implemented using **Java, JPA, SQL workbench, Springboot, Hibernate, Github.**

Parking Lot management System

- Implemented a Parking lot software Design using Solid principles to have the best design and this would save the parking lot from getting over crowded i.e the person would know whether any spot is vacant or not apart from this it would also save more than 15k pm.
- Implemented using **Java, Solid Principle, MVC**

ACHIEVEMENTS

- Received **Appreciation Certificate** in cognizant for my valuable contribution in Project **Twice.**
- My Project on auto Password changer saves more than **20 manual** Hours per month.
- My T**wo Applications** that I've Build after joining LPU are having an Impact on **28000 students** each.

EDUCATION

Scaler 2024

Specialized in Software Development & Problem Solving
• Improved my coding skills even more while studying here.
• Improved my Analytical Thinking on Problem Solving.
• learned the Industrial Use of OOPs and Learning is Still Going on to make the software better.

BIT Mesra 2021

ME/M.Tech
Specialised in ML Algorithms

chaibase engineering College (Be/Btech) 2018

BE/B.Tech/BS
• Qualified Gate 2018 & 2019
• Final Year Project Developed an online portal for Education and was over the newspaper for this achievement.
• Was the Best Coder in The Entire College.

CERTIFICATION

- Google Project Management Certification
- Machine Learing and AI certification from Coursera

RESEARCH PAPER

- ICAIAT 2024, Research paper was published (Revolutionizing Health Engagement: The Integration of AI Health -companions with Character Creation, Real-time Chat, and Subscription Model).