AAYESHA NOMANI

Software Development Engineer

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Bangalore

SUMMARY

Results-driven Software Development Engineer II (SDE II) at AWS with a robust background in software development. Over 5 years of experience, including 2 years in freelancing, demonstrating a strong ability to deliver high-quality, scalable solutions. Adept at collaborating across teams, optimizing processes, and leveraging the latest technologies to drive innovation and efficiency. Known for exceptional problem-solving skills, proactive approach, and a commitment to excellence in every project.

EDUCATION

NMIT, Bangalore
B.E. in Information Science
2018 – 2022

SKILLS

- Software Development
  - Android
  - Web
  - Game
- Programming Languages
  - Java, Python, C++
  - Kotlin, C#
  - JavaScript, TypeScript
- Frameworks
  - Flutter
  - SpringBoot
  - Angular, React
- Database Management
  - PostgreSQL, MySQL
  - MongoDB, DynamoDB
- AWS Services, AWS CDK
- Operating Systems
- Machine Learning
- OAuth, API Authentication
- Docker

PUBLICATIONS

- Traffic Density Calculation Using PEGASIS and Traffic Light Control Using STLSD Algorithm
  - Springer
  - DOI: 10.1007/978-981-16-9605-3_42
  - https://link.springer.com/chapter/10.1007/978-981-16-9605-3_42

CERTIFICATES

- AWS Technical Essentials
  - Amazon
  - 2022
- Game Design and Development
  - University of Michigan
  - 2021
- Bits and Bytes of Computer Networking
  - Google
  - 2020

PROFESSIONAL EXPERIENCE

SDE II
AWS, Amazon | 2024 - Present

- Contributed to the development of AWS Q by designing and implementing data connectors that seamlessly integrated with various data sources e.g., Chrome, VSCode, etc. enabling efficient data retrieval
- Designed a dynamic zoom in/zoom out functionality for the maps displayed on Amazon's DashCart, enhancing user interaction and experience.

Software Development Engineer
Amazon | 2022 - 2024

- Contributed to the development of Amazon Dash Carts, an innovative smart cart solution that simplifies the shopping experience by eliminating long checkout lines.
- Utilized advanced sensor technologies to automatically detect items added to the cart, updating the receipt in real-time. Shoppers could check out and be billed instantly as they exited the store, enhancing customer convenience and reducing wait times.
- Led the implementation of the Maps and Search feature within the Dash Cart, enabling users to search for products directly on the cart's interface.
- Integrated real-time product location and navigation functionality, guiding users to the exact product placement within the store.
- This feature also seamlessly connected with the shopping list, allowing shoppers to efficiently navigate the store and collect all their items with ease.

SDE Intern
Amazon | 2022 - 2022

- Led the development of a labor automation service for Amazon's physical stores, streamlining and optimizing various manual processes.

Lead Developer (Freelance)
Edukaizen | 2020 - 2022

- Worked on a high-profile project under the Government of Karnataka, contributing to the development of land registration site.

PERSONAL PROJECTS

Smart Traffic Management System
2021

- Led the development of a system focused on efficiently managing traffic at intersections.
- Integrated sensor networks and artificial intelligence algorithms to optimize traffic flow and reduce congestion.

School ERP System
2020

- Developed a comprehensive application for school management, encompassing student-teacher management, faculty administration, and finance management.
- Implemented features such as live online classes, homework diaries, hostel management, library management, and more.