Sanu Kumar

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EXPERIENCE

Shell |Bengaluru | *Software Engineer*   02/19 – 08/21

- Developed innovative model which provided user to perform different card and tolls device operation using web API hosted on Microsoft Azure
- Analyzed requirements and designed the web page for card operations and tolls order devices using HTML5 and CSS3
- Developed and integrated end-to-end functionality for shell fleet hub card operations using MVC Architecture
- Designed schema, tables, and constraints for shell toll SQL Database
- Debugged the root cause of software issues in production and UAT environment that increased the scalability of the application by 45%
- Participated and provided inputs in design review and presented to executives and managerial staff

Tata Elxsi | Bengaluru | *Software Engineer*   07/16 – 12/18

- Developed application using Econet object and IOT Network Protocol which allowed the end user to simulate the different instances of devices
- Developed functions which saved the logs instances in the database
- Drafted SQL DB queries for better performance and response by 30%
- Implemented features like registration of device with GUID and thereby controlling the device instances
- Developed responsive web pages for adding, deleting, and updating the device using HTML, CSS and JavaScript

EDUCATION

The Fitchburg State University | Fitchburg| Massachusetts, MA | *MS in Computer Science* GPA:3.93/4.0   08/21 -
Relevant **Coursework:** Machine Learning, Analysis and Design of Algorithm, Operating System and Networking, Data Mining

The National Institute of Engineering | Mysuru, India | *BE. In Information Science and Engineering*, GPA: 8.31   08/12 – 06/16
Relevant **Coursework:** Web Programming, Computer Networks, Compiler Design, Android Programming

SKILLS

- **Programming Languages**: C, C++, HTML5, CSS3, Python, JavaScript, C#
- **Database**: MYSQL, Cosmos DB
- **Tools**: Eclipse, Microsoft Visual Studio, Git, Postman, Jira
- **Framework**: Django
- **Client Interact Tools**: Putty, Filezilla
- **Cloud Services:** Microsoft Azure, AWS
- **Javascript Libraries:** Nodejs, Reactjs, Expressjs

CERTIFICATES

- **UDEMY**   Mastering Data Structure and Algorithms using C and C++
- **O'REILLY**   Web Design using HTML, CSS and Javascript
- **O'REILLY**   Data Structure and Algorithm - The Complete Masterclass