Tusamma Sal Sabil

Dhaka, Bangladesh • +8801553328841 • +8801723494576

tssovi@gmail.com • https://www.linkedin.com/in/tssovi/ • https://github.com/tssovi • http://bit.ly/tssovi-projects

Software Engineer | Backend Developer | AI Enthusiast | Algorithm Learner

B.Sc level educated Software Engineer Professional with a broad set of skills in different technical stack. I solve 400+ problems in UVA and love to solve ACM problems in different online judges like HackerRank, CodeChef, Codeforces etc. I Have 3+ years experience in technical field. I am working as a Software Engineer and develop different solutions for different clients and company's own product. During my professional career I am involved in developing NLP based Chatbot, IoT based Livestock Tracking System, Recommendation System. Moreover I develop ERP Solutions for Garments, Aviation Companies, Warehouses, Real Estate Companies. I love to take challenges so that I can learn something new from my work. I always eager to learn new things.

CORE COMPETENCIES AND SKILLS

- **Advanced knowledge of different technical stacks.** I have advance level knowledge in Algorithms, Data Structures, C, Python, Django, C#, ASP.NET, ASP.NET MVC, HTML, CSS, JavaScript, jQuery, Bootstrap, SqlServer, Oracle 11g, MySQL, PostgreSQL, Git.

- **Basic knowledge of different technical stacks.** I have basic level knowledge in C++, Java, React JS, NLP, Machine Learning, Pandas, NumPy, Scikit Learn, Matplotlib, SciPy, PyTorch, TensorFlow, Keras, Docker, Kubernetes.

- **Winner of Multiple Awards.** Winner of Inter Department Programming Contests during my education period in University of Asia Pacific between 2011 and 2014. Moreover I was topper of the 19th batch of a government funded training program named SEIP Web Application Development- Dot Net.

- **Problem Solver.** I solved different complex programming and logical problem during my whole professional career. Among them I love to solve a notification related problem that arise in developing a Bill Management System. I have to notify different users with different notification related with their role.

- **System Designer.** In Misfit Technologies Ltd I was involved in an IoT based livestock tracking system. I with my CTO have to design whole system of that project. We have to keep in mind that there will be huge data flow and huge number of system users. I was also involved in a ERP system design in Bangladesh Microtechnology for a warehouse.

- **Keen Attention to Detail.** Accurate, reliable, and diligent. Always complete assigned tasks within schedules. Can handle any ongoing challenges. Love to solve RnD related tasks.

PROFESSIONAL EXPERIENCE

Software Engineer
Circle Fintech Ltd, Dhaka, Bangladesh   **May 2019 - Present**

In Circle Fintech I involved in different challenging projects like ML based decision making and fraud detection algorithms, financial application called *Connect*, back office portal and support portal of that financial application. We use Python as core development language and other technologies like Docker, Django, Django Rest Framework, GraphQL, React, React Native, HTML, CSS, JavaScript, jQuery, Celery,

Redis, RabbitMQ, Elastic Search, PostgreSQL, NumPy, Pandas, Tensorflow, Keras, Scrapy, Go, Git for different projects.

Software Engineer
Misfit Technologies Ltd, Dhaka, Bangladesh   **Oct 2017 - Apr 2019**

In Misfit I involved in different challenging projects like NLP based Chatbot, IoT based livestock tracking system, core products, different management systems. Moreover i have to design system architecture for different in-house products. We use Python as core development language and other technologies like Docker, Django, Django Rest Framework, GraphQL, React JS, HTML, CSS, JavaScript, jQuery, Celery, Redis, RabbitMQ, Elastic Search, DynamoDB, MySql, PostgreSQL, Tornado, NumPy, Pandas, Tensorflow, Keras, Ruby on Rails, Scrapy, Go, Git for different projects.
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Software Engineer
Bangladesh Microtechnology Ltd, Dhaka, Bangladesh   **Aug 2016 - Oct 2017**
In Bangladesh Microtechnology I involved in developing different ERP modules that helps clients to manage their organizations. We use C# as a core development language and other technologies like ASP.NET Web Form, ASP.NET MVC, HTML, CSS, Javascript, jQuery, Oracle 11g, TFS to develop ERP modules.

EDUCATION
University of Asia Pacific, Dhaka, Bangladesh
B.Sc in Computer Science and Engineering

LANGUAGE
Bengali - Native / Bilingual Proficiency
English - Limited Working Proficiency
Hindi - Professional Working Proficiency

INTERESTS AND ACTIVITIES
Machine Learning, Open-Source, Programming, Latest Technology Trends, Reading Blogs, Algorithm, Data Structure, Number Theory, Cricket, Football, Travelling