Amit Kumar

B.Tech (Computer Science)

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About Me

I am a software and web developer looking forward to a challenging & competitive work atmosphere.

I have worked on couple of small & large scale project involving several servers and vast amount of data. Developed and deployed projects in multiple environments.

I am relatively good at making elegant UI, that help to develop application with great experience.

Key Highlights

- Currently working as Application developer in Tata Consultancy Services from 28th July, 2014 to present.
- Developed **MLCP Parking Software Application** for TCS Internal.
- Possess strong understanding on **OOP, Data Structures, Algorithms** and active participation on Coding contests.
- Achieved **Microsoft Certification** on Web Development (70-486).
- Earned **star performer** award for good performance by TCS and was appreciated by customer.
- Stood **6th rank** in state level scholarship test conducted by Jharkhand State Government and was awarded by prize of INR 1.5 LKH for further studies.

Education

- 2014 - B.Tech (Computer Science) at West Bengal University of Technology **(GPA: 7.8/10)**
    - Collection of all my personal work. github.com/amitkrb11

Skills

Language :	Proficient in C++, C#.Net , Good in JavaScript
Area of Interest :	OOP, Data Structure, Design Pattern (Abstract, Factory pattern), SOLID principle
UI Development :	HTML5, CSS3, Adv. JavaScript (Angular, Meteor), Ajax, jQuery, JSON, Bootstrap
Web Development :	Asp.Net MVC, Rest API, Azure, NoSQL(Mongo DB), SQL
Tools Used :	Git, Fiddler, Visual Studio, Firebug, TDD (NUnit), Agile, Scrum
Speciality :	Quick learner of programming language

Projects

Project #3:

- **TCS, One-Tax Hub [Web Application]** – (Jan'2016 – Present)
  High volume data from various upstream including Cosmos, SAP are processed on premise and move to Microsoft Azure (in blob & table storage) for Tax audit reporting.
  My Contribution:
    - Redesigned and rewrote modules as a part of migrating on premise project to Azure Cloud.
    - Managed full deployment activities in multiple environments and follow-up testing/QA.
    - Developed multiple scripts to check queries performance running under Linux and Windows cluster in **Azure** Cloud.
    - Implemented **custom report data using Angular** in application.
    - Implemented IT-authorisation to authenticate and validate users before allowing them to access resources.

Project #2:

- **TCS – Microsoft, Integrated Revenue Forecasting [Web Application] –** (Nov'2014 – Jan'2016)
  A financial forecasting web based tool designed to provide a standardized, global tool to forecast Revenue, improve forecasting accuracy, efficiency and visibility into business performance. User needs to download exe file provided from web portal to forecast their data.
    - o Made the web project all browser compatible & interactive (**JavaScript, jQuery, Angular**).
    - o Automated the deployment steps to **reduce time and manual effort**.
    - o Carried out development, testing and deployment activities of a major sprint releases of the project.
    - o Received customer appreciation multiple time for being extra mile achievers.

  (**Technology Used**: HTML5, jQuery, JavaScript, Ajax, Angular, MVVM, Collections, Rest API, SQL, .Net, Entity Framework, Power BI)

Project #1:

- **TCS Internal - Fast Quote Auto Insurance** [**Website**] – (Aug'2014 – Oct'2014)
  This website was aimed to generate auto insurance quote for personal and vehicle that has been lodged by users. Developed elegant Web and Mobile responsive App using Client-Server architecture.

  (**Technology Used**: HTML5, CSS3, JavaScript, jQuery, Angular, SQL, Rest API, Bootstrap, Asp.Net)

Project #0:

- **Self Interest - Win app** (July'2016):
  A 2-D game App, in which user has to hit the bulls-eye with an arrow. Arrow simulates the projectile motion making the goal difficult to achieve. Implemented collision detection in the game- app using JavaScript.

Academic Projects

- **#1: CMC, NIVT India Pvt. Ltd.:** Online shopping cart system users. Designed and built Dash Board at short notice for customer. Involved in front-end design, bug fixing and unit testing.
- **#2: Routing and Wavelength Assignment in Translucent Optical Network:** This project was aimed to develop an algorithm to find minimal spanning tree with shortest path from source to destination node and placement of 3R regenerator at optimal places to avoid degradation in signal strength in various networks like ARPANET.

  This paper was published in IEEE press conference.

(Technology Used: C/ C++ STL, Data Structure, 3R regeneration, Prim's algorithm, Optical translucent network)

- **#3: Online Picture Manager:** user could upload images share them with others, view images shared to him. Submitted as minor project in college, developed an API for client side image compression by JavaScript.

Interests

Mobile first development	Programming Language	Reading Autobiography (inspirational)
Exploring how things work	Playing Chess	Sketching (Self Interest)