

DEEPIKA BOGAIYAN

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<https://codepen.io/deepikabogaiyan/full/ELLeJg/>

SUMMARY

- Developer with diverse experience in Computer Science and Technologies with strong working knowledge of SQL, MYSQL, SQL server and data visualization tools (PowerBI).
- Demonstrated leadership and team building skills with the ability to thrive under pressure and produce exceptional results
- Possess excellent organizational and time management skills to meet deadlines and work on multiple projects
- Result oriented and willing to learn and apply emerging technologies quickly
- Performing the impact analysis of data quality
- Excellent interpersonal communication, documentation skills and experience coordinating with project managers, business analysts, architects and Testers

EDUCATION

Master of Engineering – Computer Science , Anna University, Coimbatore, TN, India	2010 - 2012
Bachelor of Engineering – Computer Science , Anna University, Coimbatore, TN, India	2006 – 2010

TECHNICAL SKILLS

- Database – Oracle, My SQL, SQL server, SSIS package
- Data Visualization tools – Power BI
- Web Technologies – HTML5, CSS, PHP, JavaScript, jQuery, Bootstrap
- Language – C, VBA
- Operating System – Windows, Linux
- AI - Watson discovery, retrieve and rank, compose for MySQL, IBM machine learning, decision optimization and document conversion

ONLINE PORTFOLIO - <https://codepen.io/deepikabogaiyan/full/ELLeJg/>

PROFESSIONAL EXPERIENCE

Developer, Dynamite Network , Toronto	Feb 2017 – January 2018
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Responsibilities

- Analyze the auto Insurance data and find insights about the probability of success of winning the law suit based on various dimensions (demographic and other segments of the accident history).
- Hands on experience in Microsoft SSIS packages for data loading and manipulations, and data visualization tools.
- Responsible to co-ordinate with the IBM Analytics team to understand and train various Bluemix artificial intelligence services to handle dynamic queries. Mastered Bluemix services including discovery, retrieve and rank, document conversion, compose for MySQL, IBM machine learning and decision optimization.

Technical Lead KTVR College for Engineering and Technology , India	Jun 2012 – May 2016
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As an assistant lecturer of computer science, I was assigned the role of tech lead in the development of web-based virtual office applications for the Engineering institute.

Technologies: HTML5, CSS3, JavaScript, JQuery, SQL, Bootstrap, PHP

Responsibilities

- Managed product deliverables for the web application, spanning product feature development, enhancements, design, customization, deployment and production support.
- This web application provides complete functionality of a simple office, including file transfer, emails, instant messaging, meeting rooms, secretary, lounge, administration etc. all under one interface using PHP.
- Reviewed programming projects and reported statuses to programming managers.
- Performing the responsibilities of implementing and hosting of systems on a web server using cPanel/ FTP/ Hosting.
- Managed updating of content on websites.
- Collaborated with team members in the development of database structure.

Four years of experience in the department of computer science engineering teaching the following courses

Computer Networks: This course addresses the layer in TCP and its functionalities. The course covers the following sub topics

- Physical Layer: Networks Models – OSI, TCP/IP, Transmission Media – Guided, Unguided, switching – Circuit-Switched Networks, Datagram Networks, Virtual-Circuit Networks
- Data Link Layer: Protocols for Noiseless Channels – Simplest Protocol, Stop and Wait Protocol; Protocols for Noisy Channels – Stop and Wait ARR, Go-Back-N ARR, Selective Repeat ARR, Piggybacking; Multiple Access- Random Access - ALOHA, CSMA, CSMA/CD, CSMA/CA; Wired LANs – Ethernet; Wireless LANs - IEEE 802.11, Bluetooth; Devices - HUBS, Repeaters, Bridges, Switches, Routers, Gateway; Backbone Networks - Bus, Star
- Network Layer: Logical Addressing – IPv4, IPv6; Address Mapping – ARP, RARP, DHCP, BOOTP, ICMP, IGMP; and Delivery – Forwarding, Unicast Routing, Multicast Routing
- Transport Layer: Process-to-Process Delivery – UDP, TCP; Congestion Control and QoS
- Application Layer: DNS, E-Mail, File Transfer, WWW and HTTP, Multimedia, Network Security - Cryptography

Fundamentals of Computing and Programming: This course addresses fundamentals in computing and programming, and the art of writing computer program. The course covers the following sub topics

- Introduction: Characteristics of Computers, Evolution of Computers, Computer Generations, Number Systems - Binary, Octal, Decimal, Hexadecimal
- Computer Software: Types of Software, Software Development Steps, Internet Evolution
- C: Constants, Variables and Data Types, Operators and Expressions, Input and Output Operators, Decision Making, Branching and Looping, Functions, Structures and Unions, Pointers, Arrays